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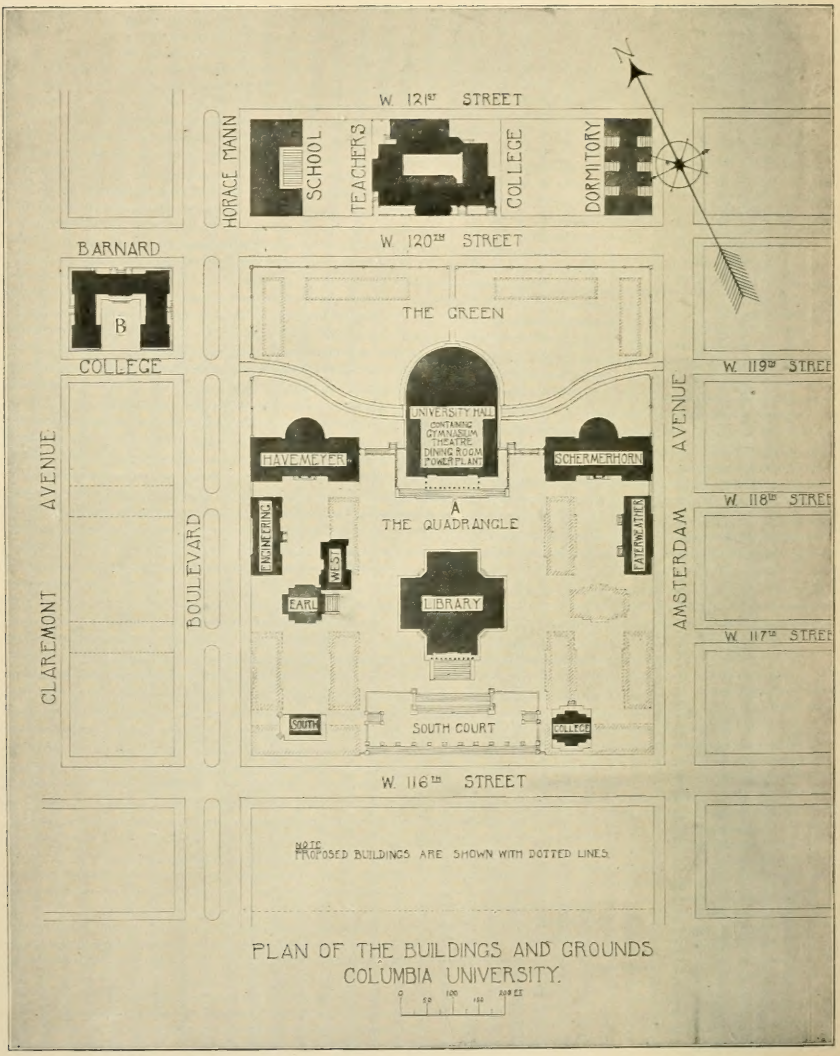


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# Columbia University in the City of New York

## GENERAL STATEMENT

On October 31, 1754, during the reign of George II., His Majesty's Letters Patent under the Great Seal of the Province were issued, incorporating THE GOVERNORS OF THE COLLEGE OF THE PROVINCE OF NEW YORK IN THE CITY OF NEW YORK IN AMERICA, and providing for the establishment of a College to be known as "Kings College," "for the Instruction and Education of Youth in the Learned Languages and in the Liberal Arts and Sciences." The interpretation placed upon this clause of the Charter, at the time, is shown by the original announcement of Kings College in 1754, which, in part, reads as follows: "Vth and Lastly, A serious, virtuous, and industrious Course of Life being first provided for, it is further the Design of this College, to instruct and perfect the Youth in the learned Languages, and in the Arts of Reasoning exactly, of Writing correctly, and Speaking eloquently: And in the Arts of Numbering and Measuring, of Surveying and Navigation, of Geography and History, of Husbandry, Commerce and Government; and in the Knowledge of all Nature in the Heavens above us, and in the Air, Water and Earth around us, and the various Kinds of Meteors, Stones, Mines and Minerals, Plants and Animals, and of every Thing useful for the Comfort, the Convenience, and Elegance of Life, in the chief Manufactures relating to any of these things: And finally, to lead them from the Study of Nature, to the Knowledge of themselves, and of the God of Nature, and their Duty to Him, themselves, and one another; and every Thing that can contribute to their true Happiness both here and hereafter."

The Charter named as Governors the Archbishop of Canterbury, the Governor of the Province, certain officers of the Crown, ex-officio, the Rector of Trinity Church, and the Ministers of the Reformed Dutch, Lutheran, French, and Presbyterian Churches, for the time being, and twenty-four residents of the city. Under this charter, Kings College was founded, continuing to be known by that name until 1784. An additional charter was granted May 30, 1755, authorizing the appointment of a Professor of Divinity by the Reformed Protestant Dutch Church.

Upon the convening of the Legislature of the State of New York in 1784, an act was passed incorporating the "REGENTS OF THE UNIVERSITY OF THE STATE OF NEW YORK," and vesting the property of Kings College in the Regents. The act also changed the name of the College to Columbia College.

In 1787, this act was repealed, and a statute was passed enacting "that the Charter heretofore granted to the Governors of the College of the Province of New York in the City of New York in America, dated the thirty-first day of October, in the year of our Lord one thousand seven hundred and fifty-four, shall be and hereby is fully and absolutely ratified and confirmed, in all respects, except that the College thereby established shall be henceforth called Columbia College"; and "that the style of the said corporation shall be, The Trustees of Columbia College in the City of New York." Certain other amendments also were made in the charter to conform to the new conditions.

In 1810, the charter was again amended in certain particulars at the request of the Trustees, and re-enacted, but the corporate title remained and still continues unchanged. The title to all corporate property is vested in a board of twenty-four Trustees, whose term of office is for life, and who form a self-perpetuating body, exercising the power of appointment as to all officers of instruction and administration.

On February 3, 1896, the Trustees adopted the following resolution:

"RESOLVED, That in all official publications hereafter issued by or under authority of the Trustees, all the departments of instruction and research maintained and managed by this corporation may, for convenience, be designated collectively as 'Columbia University in the City of New York,' or 'the University'; and the School of Arts, as the same is now known and described, may hereafter be designated as 'Columbia College,' or 'the College.'"

The President has charge of the Educational administration of the University and is Chairman of the University Council and of every faculty established by the Trustees.* The principal administrative officers, other than the President, are the Deans of the several faculties, the Secretary of the University, the Librarian, the Registrar, the Bursar, and the Superintendent of Buildings and Grounds.

The University Council is a representative body consisting of the President, the Dean, and the Secretary of the College, ex-officio, and the Dean and one elected member from each of the faculties of the University. Subject to the reserved power of control by the Trustees the University Council has charge of the general educational interests of the University and of all matters affecting more than one faculty.

The work of the University was begun at Morningside Heights on October 4, 1897.

* Communications for the President should be addressed to him at the University.

## I. THE COLLEGES

*a.* COLUMBIA COLLEGE offers a course of four years, leading to the degree of Bachelor of Arts, conferred upon its graduates upon the recommendation of the Faculty of Columbia College. Candidates for admission to the College must be at least fifteen years of age, and pass an examination on prescribed subjects. The curriculum offers a wide range of electives, both literary and scientific, making it possible for the student to elect such courses during his first three years as will fit him either for the professional course he may intend to pursue, or for advanced work under any of the non-professional faculties. During the senior year the student may study under any of the faculties of the University.

*b.* BARNARD COLLEGE, founded in 1889, is an independent corporation whose grounds adjoin those of the University. As an undergraduate college for women, however, it bears the same relation * to the educational system of Columbia University as does Columbia College as an undergraduate college for men. The requirements for admission and the standard of scholarship are of the same grade. The students receive their instruction in the Barnard College buildings, except that for the time being members of the senior class may attend certain advanced courses in the University. The degree of Bachelor of Arts is conferred upon its graduates by the University upon the recommendation of the Faculty of Barnard College, of which the President of the University is, ex-officio, chairman.

## II. THE UNIVERSITY

In a technical sense, the Faculties of Law, Medicine, Philosophy, Political Science, Pure Science, and Applied Science taken together constitute the University. These faculties offer advanced courses of study and investigation, respectively, in (*a*) private or municipal law, (*b*) medicine, (*c*) philosophy, education, philology, and letters, (*d*) history, economics, and public law, (*e*) mathematics and natural science, and (*f*) applied science. Courses of study under all of these faculties are open to members of the senior class in the College and also to all students who have successfully pursued an equivalent course of undergraduate study to the close of the junior year. These courses lead, through the bachelor's degree, to the university degrees of Master of Arts and Doctor of Philosophy. The degree of Master of Laws is also conferred for advanced work in law done under the Faculties of Law and Political Science together.

* By virtue of the agreement between the Trustees of Columbia College in the City of New York and the Trustees of Barnard College, dated January 19, 1900

### The Non-Professional Schools

The Faculty of Philosophy offers advanced courses and opportunities for original research in philosophy and education, psychology and anthropology, Greek and Latin (including archæology and epigraphy), English, comparative literature, music, and the Germanic, the Romance, and the Oriental Languages. Through the Teachers College, the opportunities for research in education are very great.

The Faculty of Political Science offers advanced courses and opportunities for original research in political and social science, including history, economics, and public law.

The Faculty of Pure Science offers advanced courses and opportunities for original research in mathematics, mechanics, and electro-mechanics, astronomy, physics, chemistry, mineralogy, geology, zoölogy, botany, physiology, anatomy, bacteriology, and physiological chemistry.

The Faculty of Applied Science offers advanced courses and opportunities for original research in mining, metallurgy, engineering (civil, electrical, mechanical, and sanitary), and architecture.

### B. The Professional Schools

The Faculties of Law, Medicine, and Applied Science conduct, respectively, the professional schools of Law, Medicine, and Mines, Chemistry, Engineering, and Architecture, to which students are admitted as candidates for professional degrees on terms prescribed by the faculties concerned.

The School of Law, established in 1858, offers a course of three years in the principles and practice of private and public law, leading to the degree of Bachelor of Laws.

The College of Physicians and Surgeons, founded in 1807, offers a course of four years in the principles and practice of medicine and surgery, leading to the degree of Doctor of Medicine.

The School of Mines, established in 1864, offers courses of study, each of four years, leading to a professional degree, in mining engineering and in metallurgy.

The Schools of Chemistry, Engineering, and Architecture, set off from the School of Mines in 1896, offer, respectively, courses of study, each of four years, leading to an appropriate professional degree in analytical and applied chemistry; in civil, sanitary, electrical, and mechanical engineering, and in architecture.

Teachers College, founded in 1888 and chartered in 1889, was included in the University in 1898. It is still an independent corporation, its trustees continuing to assume the entire financial responsibility for its maintenance. It offers instruction in the History and Philosophy of Education and the Theory and Practice of Teaching,

and takes academic rank in the University system as a professional school for teachers. It offers the following courses of study: (*a*) Graduate courses leading to the higher diploma or to the secondary diploma; (*b*) professional courses, each of two years, leading to diplomas for teachers and supervisors in kindergartens or elementary schools, or for specialists in Domestic Art, Domestic Science, Fine Arts, Manual Training, and Music; (*c*) a collegiate course of two years which, if followed by a two years' professional course, leads to the degree of Bachelor of Science. Certain of its courses may be taken without extra charge by students of the University in partial fulfilment of the requirements for the degrees of Bachelor of Arts, Master of Arts, and Doctor of Philosophy.

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The division of the University into faculties and schools neither controls nor limits the student in his freedom of electing, under one or several of the faculties, courses that lead to the university degrees of Master of Arts and Doctor of Philosophy. The degree of Master of Laws is also a university degree, but for this degree the choice of the student is restricted to subjects under the two Faculties of Law and Political Science. All of these degrees are granted upon the recommendation of the University Council.

The professional degrees are Bachelor of Laws, Doctor of Medicine, Bachelor of Science, Engineer of Mines, Metallurgical Engineer, Civil Engineer, Electrical Engineer, and Mechanical Engineer. These degrees are conferred upon the recommendation of the Faculties of Law, Medicine, and Applied Science, respectively.

All Teachers College diplomas and the degree of Bachelor of Science in Education are conferred by the University upon the recommendation of the Faculty of Teachers College, of which the President of the University is, ex-officio, chairman.

## ADMISSION

### ENTRANCE EXAMINATIONS

(For information as to entrance examinations see page 183.)

### ADMISSION OF WOMEN

None of the professional schools of the University corporation are open to women.

For the regulations for admission to Barnard College, an undergraduate college for women, and to Teachers College, which is open to men and women upon equal terms, see the Table of Contents.

Women holding the first degree are permitted to register under the Faculties of Political Science, Philosophy, and Pure Science, as candidates for the degrees of A.M. and Ph.D., or as special students, and

to pursue certain of the courses of study offered by them upon the same terms as men.

## AUDITORS

Certain courses of lectures are open to the public, men and women alike, on payment of an auditor's fee. No auditor will be admitted to any course without the consent of the instructor, previously obtained; auditors' tickets must be procured from the Registrar of the University, and shown to the instructors in charge of the courses for which they are issued.

## MATRICULATION, REGISTRATION, AND ENROLMENT

No student is permitted to attend any academic exercise until he has complied with the regulations in regard to matriculation, registration, and enrolment.

Every student will be required, as a condition of admission to the College or to any School, to matriculate on a blank prepared for the purpose, upon which he shall state his name, place of abode, post-office address, and, if he is under twenty-one years of age, the name, place of abode, and post-office address of his father or guardian, and such other information as may be from time to time required.

A student is required to matriculate but once, upon first connecting himself with the University. Registration consists in furnishing to the Registrar, upon blanks provided for the purpose, such information as the University may request. Enrolment consists in filing, upon blanks provided for the purpose, a statement of the courses which a student may be authorized to pursue.

Students entering Barnard College should register and pay their fees at Barnard College. Information regarding fees, etc., will be found in the Announcement of Barnard College.

Students entering Teachers College should register and pay their fees at Teachers College. Information regarding fees, etc., will be found in the Announcement of Teachers College.

Students entering the College of Physicians and Surgeons should register and pay their fees at the offices of the Assistant Registrar and Assistant Bursar, College of Physicians and Surgeons, 437 West 59th Street.

All other students must register in person in the office of the Registrar, Room 109, Library Building, and pay their fees to the Bursar, Room 109, Library Building.

### Withdrawal

Students are requested, in case of withdrawal from the University during the academic year, to notify the Registrar in writing without delay. No application for a return of fees can be considered unless such notice is given.

## FEES

The regulations of the Corporation of Columbia College in the City of New York in regard to fees are as follows:

*For Matriculation*: (The matriculation fee is required of all students entering the University, including the students of the Summer Session. A payment of this fee to the College Entrance Examination Board of the Middle States and Maryland covers the requirement. The matriculation fee is payable *but once*.) . . . . . $ 5

*For Tuition :*

For candidates for a degree:

| | | |
|---|---|---|
| In the College * . . . . . | per annum | 150 |
| In the School of Law . . . . . | " | 150 |
| In the College of Physicians and Surgeons . | " | 200 |
| In the Schools of Applied Science † . . | " | 200 |

For candidates for the degrees of Master of Arts and Doctor of Philosophy . . . . . 150

Provided, however, that the maximum fee for such candidates shall be, respectively, $150 and $300 when the course of study for the Master's degree does not exceed three years, and for the Doctor's degree five years. The privileges open to students paying such fee by installments shall be limited to courses taken for the degree, and any other courses taken by such students must be paid for as though they were special students.‡

For students not candidates for a degree pursuing partial courses, at the rate of $15 per annum for each hour of attendance per week on lectures or recitations, with a maximum fee of $150, except that in the College of Physicians and Surgeons and in the Schools of Applied Science tuition shall be at the rate of $20 per annum for each hour of attendance per week on lectures or recitations, with a maximum fee of . . . . . 200

* Seniors taking the first year in the Medical School or in the Schools of Applied Science pay the fee required in those schools, $200.

† Candidates for admission to advanced standing who attend the Summer Course in Surveying are required to pay therefor a fee of $35; who attend the Summer Course in Practical Mining, $50.

‡If a student has paid tuition fees to the University as a candidate for A.M., and later registers as a candidate for Ph.D., the amount of such payment will be credited toward the maximum fee for the latter degree. The tuition fee paid at the Summer Session of any year by candidates for a higher degree will be credited toward the maximum fee fixed for the degree for which they are candidates; provided, however, that any student attending a Summer Session must pay the tuition fee of $25 established for that session.

| | |
|---|---|
| For all students in the Summer Session | $ 25 |
| For auditors, at the rate of $20 per annum for each hour of attendance per week on lectures or recitations, with a maximum fee of | 200 |

*For Examinations :*

| | |
|---|---|
| At unusual times | 5 |
| For the degree of Bachelor of Arts | 15 |
| For any professional or technical degree | 25 |
| For the degree of Master of Arts | 25 |
| For the degree of Doctor of Philosophy | 35 |
| For the degree of Master of Laws | 25 |

*For Use of the Gymnasium :*

All men students except those of the College of Physicians and Surgeons are required to pay an annual gymnasium fee of 7

This entitles them to a locker and to the use of the Gymnasium and the baths, including all necessary laundry service.

Students who are not candidates for a degree shall be charged a fee for laboratory courses and for the use of laboratories in accordance with a schedule prepared by the head of the department having charge of the laboratory and approved by the President and Treasurer.

A deposit for the use of apparatus, material, and other like purpose shall be charged when prescribed by the head of the department supplying the same, with the approval of the President and Treasurer.

The amount of fees to be paid in special cases for partial attendance shall be determined by the President and Treasurer.

### Payment of Fees *

The matriculation fee shall be paid before the entrance examination. Examination fees shall be paid in all cases before examination. From and after July 1st, 1902, every student failing to register within the limits of time fixed by the regulations of the University, shall be allowed to register only upon the payment of an additional fee of $5.

* For information as to the offices at which students of the College of Physicians and Surgeons, Barnard College, and Teachers College should pay their fees see p. 18.

Annual tuition fees shall be paid in equal instalments on or before the last Saturday of October, and on or before the third Saturday in February in each academic year, except that whenever the total amount of a student's tuition fees shall not exceed one hundred dollars, the full amount shall be paid on or before the last Saturday of October.

No candidate for a degree in any school shall be entitled to receive the same until he shall have discharged all his dues to the University.

Students who have taken the degree of Doctor of Philosophy in this University may, with the consent of the University Council, continue their researches in the laboratories or Library of the University without the payment of tuition fees.

**Comparative Statement of Students' Expenses for the Academic Year, October to June**

BASED ON STUDENTS' STATEMENTS

| | Low | Average | Liberal |
|---|---|---|---|
| Matriculation Fee (First Year) | $ 5 | $ 5 | $ 5 |
| Tuition Fee | 150 | 150 | 150 |
| Gymnasium Fee | 7 | 7 | 7 |
| Books | 15 | 30 | 40 up |
| College Incidentals | — | 15 | 50 " |
| Room (32 weeks) | 48 | 112 | 160 " |
| Board (32 weeks) | 112 | 128 | 192 " |
| Clothes and Washing | 35 | 75 | 125 " |
| All other expenses | 15 | 25 | 100 " |
| Total | $387 | $547 | $829 up |

In the case of students in the Schools of Medicine, and Applied Science, $50 for tuition should be added, as the fee in these cases is $200.

## COMMITTEE ON EMPLOYMENT FOR STUDENTS

The University Council has constituted a Standing Committee on Employment for Students, consisting at present of the following members:

JAMES F. KEMP.....*Faculty of Pure Science, Chairman*
THOMAS S. FISKE.....*Faculty of the College*
GEORGE S. HUNTINGTON.....*Faculty of Medicine*
FRANCIS M. BURDICK.....*Faculty of Law*
FREDERICK R. HUTTON.....*Faculty of Applied Science*
FRANKLIN H. GIDDINGS.....*Faculty of Political Science*
HENRY A. TODD.....*Faculty of Philosophy*
F. P. KEPPEL.....*Assistant Secretary of the University*

It is the design of the Committee to put students desiring to work their way through college, especially those coming from elsewhere than New York or the immediate vicinity, in the way of earning enough for their partial or complete support, or if possible to extend assistance to them in other ways, while they are pursuing their studies here. It is believed that many opportunities may be offered to students of this class if the fact of their desire to obtain employment is made known. Some of the openings likely to be available are: private tutoring, translating, copying of various sorts, teaching in evening schools, travelling companions, stenography, and typewriting. Communications should be addressed to the Committee.

As the result of long experience, the Employment Committee advises Medical and Engineering Students not to undertake outside work of any kind during the academic year. The demands of these courses in lectures and laboratory work are so exacting and inflexible as to make additional responsibilities a greater burden than can be wisely assumed. It would even be better for such students to withdraw from the University for a year in order to earn the money necessary to enable them to give undivided attention to their work while in attendance.

While much work is found for students, each year, preference is naturally given in case of a choice of applicants for a position to those who have spent at least a portion of a year at Columbia, and thus have become personally known to members of this Committee or to other officers. No prospective student should come to Columbia depending entirely or even largely upon the assistance of the Committee, but should be prepared to meet at least the expenses of the first half-year —say two hundred and fifty dollars.

All the heads of clinics in the Medical School have consented to give advice without charge to students who are on the lists of the Committee, and who present cards of introduction from one of its members. Such visitors are received as a general rule during office hours at private offices. This insures to students who need it the best medical advice in the city.

## APPOINTMENT COMMITTEE

The Appointment Committee instituted by authority of a resolution

of the University Council, passed April 19, 1898, consists at present of the following members:

JAMES HULME CANFIELD, A.M., LL.D.....*Chairman*
*Librarian of the University*
FREDERICK R. HUTTON, E.M., Ph.D.....*Professor of Mechanical Engineering*
EDWIN R. A. SELIGMAN, Ph.D....*Professor of Political Economy and Finance*
JAMES MCKEEN CATTELL, Ph.D.....*Professor of Psychology*
HENRY ALFRED TODD, Ph.D.....*Professor of Romance Philology*
GEORGE W. KIRCHWEY, A.B.....*Professor of Law*
GEORGE RICE CARPENTER, A.B.....*Professor of Rhetoric and English Composition*
JAMES RIGNALL WHEELER, Ph.D.....*Professor of Greek*
CALVIN THOMAS, A.M,
*Gebhard Professor of the Germanic Languages and Literatures*
JAMES EARL RUSSELL, Ph.D.....*Professor of the History of Education*

The duty of the Committee is to recommend graduates of the College or University for teaching or other positions in colleges and universities and to assist competent graduates to obtain such positions.

The Committee keep classified lists of those who wish employment, and will be glad to be informed promptly of present or prospective vacancies in positions for which college-trained men or women are eligible.

No fees are charged for any service rendered by the Committee.

Communications in regard to vacancies and recommendations of suitable candidates for the same should be addressed to the Chairman of the Appointment Committee, Library, Columbia University, New York.

## FELLOWSHIPS, SCHOLARSHIPS, AND OTHER PROVISION FOR THE ASSISTANCE AND REWARD OF STUDENTS

**NOTE.—Unless otherwise provided, all stipends of Fellows and Scholars shall be paid in equal semi-annual instalments on the last Saturday in October and the third Saturday in February of each year.**

**Fellows and Scholars are required to pay all fees for matriculation, tuition, graduation, and for the use of the Gymnasium.**

**As these fellowships are awarded as honors, those who are disposed, for the benefit of others or for any other reason, to waive the pecuniary emolument may do so and still have their names retained on the list of Fellows.**

### General Fellowship Regulations

No Fellow shall be allowed to accept remunerative employment except by permission of the President, and the acceptance of any such

employment, without such permission, shall operate to vacate the fellowship.

All Fellows, except as hereinbefore provided, shall be required to pursue their studies during the term of their fellowship at the University, unless permission be granted by the President to study elsewhere.

All Fellows shall be governed by such rules and regulations, not inconsistent with the statutes, as may be prescribed by the Council.

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### University Fellowships

Eighteen fellowships, of the value of $650 each, known as "University Fellowships," are awarded by the Council to those applicants who give evidence of special fitness to pursue courses of higher study and original investigation, the competition to be open to graduates of all colleges and scientific schools. Vacancies occurring in any such fellowships shall be filled in the same manner in which original appointments are made.

Additional University Fellows may be appointed in cases where the original appointee waives the emolument of the fellowship while accepting the honor of the appointment, and in cases where a University Fellow desires reappointment without emolument.

Application should be made prior to March 1, in writing, on blanks that will be furnished for the purpose, and addressed to the President of Columbia University. Applications received later than March 1 may fail of consideration. The term of the fellowship is one year dating from July 1. Residence should begin October 1.

The candidate must give evidence:

(*a*) of a liberal education, such as a diploma already granted, or about to be received from a college or scientific school of good repute;

(*b*) of decided fitness for a special line of study, such as an example of some scientific or literary work already performed;

(*c*) of upright character, such as a testimonial from some instructor.

Every holder of a fellowship will be expected to perform such duties as may be allotted to him in connection with his course of study, which course shall be such as to lead to the degree of Doctor of Philosophy. He will be expected to devote his time to the prosecution of special studies under the direction of the head of the department to which he belongs, and before the close of the academic year to give evidence of progress by the preparation of a thesis, the completion of a research, the delivery of a lecture, or by some other method. He must reside in New York or vicinity during the academic year.

No holder of a fellowship will be permitted to pursue a professional or technical course of study during his term. With the written approval of the President, but not otherwise, he may give instruction or assistance in any department of the University.

A Fellow may be reappointed at the end of a year for reasons of weight. No Fellow may be reappointed for more than two terms of one year each.

### Tyndall Fellowship

A fellowship known as the "John Tyndall Fellowship for the Encouragement of Research in Physics" was endowed by John Tyndall, LL.D., Professor of Natural History in the Royal Institution of Great Britain, November 2, 1885, by a gift of $10,945.50 in trust, to apply the income in supporting or assisting "one or more American pupils who may have shown decided talents in physics, and preferably such as shall express the determination to devote their lives to the advancement of theoretic science and original investigations in that department of learning." This fellowship is awarded to some suitable person, who is either a graduate of or a student in the University, but not necessarily a candidate for a degree. Such Fellow shall be appointed by the Council upon the recommendation of the head of the department of Physics. Such appointments shall always be for the term of one year only, but the Fellow for the time being shall be eligible for appointment from year to year, upon like recommendation. The Fellow so appointed shall be entitled to receive during his term of office the net income of the capital sum constituting the endowment; and the Trustees guarantee that such net income will amount to at least $648 a year, being six per cent. upon $10,800, the fund presented to the University by Professor Tyndall.

### Barnard Fellowship

A fellowship known as the "Barnard Fellowship for Encouraging Scientific Research" was endowed by the bequest of $10,000 left by President F. A. P. Barnard for the purpose of encouraging scientific research. The fellowship is of the annual value of $500, and is awarded to a graduate of the College or of the Schools of Applied Science or Pure Science, who has evinced decided aptness for physical investigation and who may be disposed to devote himself to such investigation for some years continuously. Such Fellow shall be appointed by the Council upon the joint recommendation of the faculties of the College, Applied Science, and Pure Science. Such appointment shall be for the term of one year only, but the Fellow, for the time being, shall be eligible to reappointment from year to year upon like joint recommendation. Nominations should be made to the President on or before April 1.

#### Duties of Tyndall and Barnard Fellows

It is the duty of a Barnard or John Tyndall Fellow to devote himself faithfully to the investigation of some subject in physical science at this University, or at some other in this country or abroad, under the

supervision of some known physicist approved by the President and the head of the department of Physics. He shall make a report quarterly to the President, giving an account of the work in which he has been engaged during the three months preceding; which report shall be certified by the physicist superintending and directing him. In case of failure faithfully to fulfil the obligations imposed upon him, such Fellow shall forfeit all privileges and emoluments conferred upon him by his appointment to the fellowship, and the Council may at any time declare the fellowship to be vacant.

### Drisler Fellowship

A fellowship known as the "Henry Drisler Fellowship in Classical Philology," of the annual value of $650, was established in 1894 in commemoration of the semi-centennial in the service of the University of Henry Drisler, LL.D., of the Class of 1839, who held in the University the chairs of both Latin and Greek.

Applicants for this fellowship must be Bachelors of Arts of this University, or some other college or university of equivalent standing, and must have pursued the study of Greek and Latin throughout their undergraduate course. They must present testimonials from their instructors in Greek and Latin as to their zeal and success in the study of these languages, and must give evidence of fitness for a wider and more profound study of the same, and for independent research. Such evidence may be shown by the results of a special examination, or by the production of an essay or published treatise in some department of classical study. Applicants must also have a sufficient knowledge of French and German to use those languages readily in the prosecution of their studies, and must present a certificate of good moral character.

The appointment to the fellowship will be made by the University Council on the joint recommendation of the professors of Greek and Latin. The appointment shall be for one year, and the holder, for reasons of weight, may be reappointed; but the fellowship shall not be held by the same person for more than three years.

The Fellow must study at this University under the direction of the professors of Greek and Latin, unless permitted by the Council to spend a year in some foreign university, or in the American School of Classical Studies at Athens.

### Carl Schurz Fellowship

The "Carl Schurz Fellowship for the Study of the German Language and Literature" is open to graduates of all colleges and scientific schools in good standing in this country and abroad, and will be awarded in every alternate year beginning July 1, 1902, by the University Council, upon the recommendation of the professors of the department of Germanic Languages and Literatures. The appoint-

ment shall be held, subject to such regulations as this Council may from time to time establish, for the term of one year. The Fellow so appointed shall be entitled to receive the net income of the capital sum of ten thousand dollars, constituting the endowment contributed by the German-American citizens of New York, in commemoration of the seventieth birthday of Carl Schurz, accruing during a period of two years preceding the appointment, and proportionately for any part of the term. The appointment may be renewed for reasons of weight for a further term of one year, but reappointment shall not entitle the Fellow to any additional stipend.

Candidates for this fellowship must present testimonials as to their zeal and success in the study of German, and must give evidence of their fitness for a wider and more profound study of the language and literature and for independent research. Such fitness may be shown by an essay or published treatise. Candidates must also have a sufficient knowledge of Latin and French to use these languages readily in the prosecution of their studies, and must present a certificate of good moral character. The holder must study at Columbia University under the direction of the department of Germanic Languages and Literatures, unless permitted by the Council to continue his studies at some German university.

### Class of '70 Fellowship

There is a fellowship known as the "Class of '70 Fellowship," of the annual value of $500, which, after the expiration of the term of the present incumbent, shall be filled by the Council, and shall be subject to such rules and regulations, not inconsistent with the Statutes, as may be prescribed by the Council.

### Annual Fellowships

The Treasurer may receive gifts of money for fellowships to run for one year or more, provided that no fellowship shall be created for less than $500 per annum. Such fellowship shall be filled by the University Council, and shall be subject to such rules and regulations, not inconsistent with the Statutes, as may be prescribed by the Council.

### University Scholarships

Thirty University scholarships are awarded annually to students under the Faculties of Political Science, Philosophy, and Pure Science. These scholarships are awarded under the following regulations, prepared by the authority of the University Council and with its approval:

1. The University scholarships are open to all graduates of colleges and scientific schools whose course of study has been such as to entitle them to be enrolled at Columbia as candidates for a university degree.

2. These scholarships are tenable for one academic year, with a possibility of renewal for one year longer. They are of an annual value of $150 each.

3. Applications for University scholarships should be made in writing, on blanks that will be furnished for the purpose, and addressed to the President of Columbia University. Applications must be filed not later than May 1. Should an unsuccessful applicant for a fellowship apply for a scholarship, the only information required from him will be that contained in the formal application for the fellowship.

4. The University scholarships will be awarded by the University Council at its regular meeting in May. The award will be made after applications have been examined and recommendations made by the Committee on University Scholarships. In making these recommendations the Committee will give preference to those candidates for University fellowships who have failed of appointment by the University Council after having been recommended for the same by any faculty or department.

5. University Scholars will be required to enroll themselves as candidates for a degree and to pursue a regular course of study leading thereto.

6. In case any one of said scholarships is not awarded in any year, or in case any scholarship shall become vacant otherwise than by the graduation of the incumbent, an additional Scholar may be appointed to fill such vacancy. The recipient of any such scholarship may, with the consent of the President, assign the income thereof to any properly qualified candidate without waiving his right to be designated as a University Scholar.

### President's University Scholarships

In addition to the University scholarships, there are eight scholarships, each of the annual value of $150, known as the "President's University Scholarships." Such scholarships are for the term of one year, are filled by the University Council, and are governed in all respects by the regulations attached to the University scholarships established by the preceding section, and by such further regulations as may from time to time be hereafter adopted by the Trustees. The holders of such scholarships may be reappointed upon the expiration of their terms upon such conditions as may be prescribed in the regulations.

### University Scholarships for Women

Four University scholarships known as the "Curtis University Scholarships," will be awarded annually to women students under the Faculties of Philosophy, Political Science, and Pure Science. These scholarships are awarded under the same regulations as those governing the University scholarships.

### Pulitzer Scholarships

In 1893, the Hon. Joseph Pulitzer established a fund of $100,000 to enable deserving graduates of the New York City grammar schools to

obtain a high-school preparation for college through the agency of Columbia College. Ten students a year were selected by competition for the Horace Mann School of Teachers College, and up to and including 1900, these students as they are qualified for work in the University are given free tuition for four years either in the College or in any of the schools except the Medical School. During the entire term of their high-school and college or university course, each of these students receives from Mr. Pulitzer the sum of $250 per annum. For and after 1901 the preparation of the winners of these ten annual scholarships will be carried on in the public High Schools.

**Annual Scholarships**

The Treasurer may receive gifts of money for scholarships for one or more years, provided that no such scholarship shall be for a less sum than the annual tuition fee of the College or of the school in which it is provided. Such scholarships shall be filled by the Faculty under whose care they properly come, and the Scholars holding them shall pay all fees.

**National Society of the Sons of the American Revolution Medal**

The National Society of the Sons of the American Revolution offers a silver medal under the following regulations:

1. Competition shall be open to members of the senior class in the College, and to first-year students, not graduates of the College, studying under any of the faculties of the University.

2. Each essay must contain not less than 1600 and not more than 2000 words and shall be upon the subject: "The Principles Fought for in the War of the Revolution."

3. A typewritten copy of each essay must be presented to the President not later than May 1.

4. The Committee of Award shall consist of the professors giving instruction in American History.

5. The prize shall in no case be awarded to an essay defective in English composition.

The award, if made, will be announced by the President at Commencement.

A similar tender has been made to the principal colleges of the country, and the essays receiving the silver medals will be submitted to a committee of the National Society in competition for a gold medal to be awarded to the writer of the essay deemed most meritorious

**Bunner Medal**

The H. C. Bunner Gold Medal, provided for by the interest upon a fund of one thousand dollars, established in November, 1896, by the friends of the late Henry Cuyler Bunner, is awarded annually at Commencement to the candidate for a Columbia degree who shall present the best essay on an assigned subject in American literature. Essays

must be submitted to the President on or before May 1. The award will be made by a committee to be appointed by the President. The subject for the essay to be handed in on May 1, 1901, is "American Humor Prior to 1870"; for 1902, "Abraham Lincoln as a Man of Letters"; for 1903, "Literary Influences that Affected Hawthorne and Poe."

### Barnard Medal

A gold medal established by the provisions of the will of President Barnard and endowed by him, known as the "Barnard Medal for Meritorious Service to Science," is awarded at Commencement at the close of every quinquennial period dating from the 17th day of July, 1889, to such person, if any, whether a citizen of the United States or any other country, as shall within the five years next preceding have made such discovery in physical or astronomical science, or such novel application of science to purposes beneficial to the human race, as in the judgment of the National Academy of Sciences of the United States shall be esteemed most worthy of such honor.

*Award of 1895*

LORD RAYLEIGH, F.R.S. PROFESSOR WILLIAM RAMSAY, F.R.S.

*Award of 1900*

PROFESSOR WILHELM CONRAD VON RÖNTGEN

### Loubat Prizes

Mr. Joseph F. Loubat has established two prizes, a first prize of $1000, and a second of $400, for the best works published in the English language upon the history, geography, archæology, ethnology, philology, or numismatics of North America. The competition for these prizes is open, under the deed of gift, to all persons, whether connected with Columbia University or not, and whether citizens of the United States or of any other country. No treatises shall be eligible for the purposes of the competition except such as relate to the topics involving antiquarian research, or that refer to events prior to 1776. In order to ensure consideration of their works, authors are invited to send copies to the President of Columbia University not later than April 1 of the year in which the prize is to be awarded; but the competition will not be restricted to works thus submitted. Copies of the regulations adopted by the Trustees can be obtained from the Secretary of the University.

Mr. Loubat has provided a permanent endowment for these prizes which will make it possible to award them at least every five years. It has been decided to divide the above list of subjects into two groups, in which the award will be made alternately. These groups consist, respectively, of history, geography, and numismatics; and of archæology, ethnology, and philology. It has also been decided that, here-

after, Mr. Loubat's foundation shall be employed to stimulate research and not simply to reward the authors of meritorious works published without reference to these prizes. That is, the University will call for the investigation of certain questions and the publication of the results, and the best works produced in answer to this call, if of sufficient value, will receive the prizes. The awards to be made in 1903 shall be conferred for works relative to subjects in the first group. One or more special topics of investigation may be recommended, and the awards limited primarily to works upon such topic or topics. But if no works upon the topics suggested seem worthy of an award, the prizes will be adjudged to the best works falling within the general group of subjects designated for the period.

It is hoped that Mr. Loubat's generous foundation may serve to encourage American research in a field that is peculiarly our own, but in which much of the best work has hitherto been done by strangers.

For names of the Committee of Award for 1903, and for further details, address the Secretary of the University.

*Award of 1893*

First Prize, HENRY ADAMS, for his "History of the United States of America during the Administrations of Jefferson and Madison."

Second Prize, A. F. BANDELIER, for his "Report of Investigations among the Indians of the Southwestern States."

*Award of 1898*

First Prize, WILLIAM HENRY HOLMES, for his work entitled "Stone Implements of the Potomac—Chesapeake Tidewater Province."

Second Prize, FRANZ BOAS, Ph.D., for his monograph entitled "The Social Organization and the Secret Societies of the Kwakiutl Indians."

**Grant Squires Prize**

A prize known as the "Grant Squires Prize," consisting of the income to be derived from the fund heretofore established by Grant Squires, A.B. '85, LL.B. '87, is awarded at Commencement at the close of every quinquennial period, dating from July 1, 1895, to such graduate conducting an original investigation of a sociological character as shall be adjudged most worthy by a Committee of Award, consisting of the President, the Professor of Sociology, and one of the professors of Political Economy, appointed by the Faculty of Political Science. Such award shall be deemed to be a recognition of scientific ability and achievement, as well as an encouragement of research.

**Scholarships and Prizes in the College**

Seventy-two scholarships, of the annual value of $150 each, are offered in the College. These scholarships are intended to be academic honors, and the holders are divided into three groups. The first group contains only those whose work entitles them to high academic dis-

tinction. The second consists of students of marked excellence who have not attained a position in the first group. The third comprises meritorious students to whom scholarships have been awarded on grounds of special claim. The names of holders of scholarships in groups 1 and 2 are published in the University catalogue.

The enjoyment of a scholarship for one year does not constitute a title to a second nomination. No student who has incurred serious academic censure in the course of the year will be considered as a candidate, nor any student who obtains leave of absence for the year in which the scholarship is payable. The payment of one or both instalments of the scholarships may be withheld if a student proves undeserving.

**Section I.** Scholarships awarded to Freshmen on the basis of competitive entrance examinations, tenable for one year. The Committee on Admissions awards these scholarships in the order given annually to those qualified competitors who pass the best entrance examinations in subjects aggregating the fifteen points requisite for admission, at the University in June. No applications need be filed by candidates for these scholarships. Reappointment may be made by the Committee on Scholarships under certain conditions for succeeding years.

Awarded not later than July 1:

**Competitive**

Alumni Competitive Scholarships..... 4
Founded by the Trustees in 1890, one awarded annually.

Hewitt and Harper Scholarships (2 each)..... 4
Endowed by the gift of Abram S. Hewitt, LL.D., Class of '42, and by the bequest of Joseph W. Harper, A.M., Class of '48. One scholarship is open annually for competition to graduates of New York City high schools.

Brooklyn Scholarships.....12
Founded by the Trustees in 1895, in recognition of President Low's gift of a memorial building for the University Library. Three of these scholarships are open for competition annually to residents of Brooklyn who have received their training either in the public or the private schools of that borough.

—20

**Section II.** Scholarships awarded to applicants by the Committee on Scholarships:

**Faculty, Beck, and Campbell**

Eight Faculty scholarships established by the Trustees for award by the Faculty to students whose record for ability and scholarship, obtained either before or after matriculation, gives evidence of special fitness for the course of study

Carried forward..... 20

Brought forward..... 20

which they propose to pursue, and who need pecuniary aid to obtain an education. Open to students of any class... 8

Beck Scholarship:

Established in recognition of the liberality of Charles Bathgate Beck, LL.B., Class of '77. Awarded by the Faculty of the College in the same manner and subject to the same conditions as the Faculty scholarships..... 1

Campbell Scholarships:

In memory of Robert B. Campbell of the Class of '44, and Henry P. Campbell of the Class of '47, established by Miss Maria L. Campbell and Miss Catharine B. Campbell. Awarded by the Faculty of the College in the same manner and subject to the same conditions as the Faculty scholarships..... 2

—11

**Endowed**

Schermerhorn Scholarships..... 5

Endowed by John Jones Schermerhorn, A.B., of the Class of '25. Open to Freshmen only.

Moffat Scholarships..... 2

Endowed by William B. Moffat, A.B., of the Class of '38; M.D., '42. Open to Freshmen only.

Stuart Scholarships..... 2

Endowed in memory of Sidney Barculo Stuart, Class of '80, and Eugene Talman Stuart, Class of '81, by their grandmother, Cornelia A. Atwill. Open to Freshmen only.

Alumni Association Scholarships..... 4

Established by the Trustees in recognition of the interest that the Alumni Association has always shown in the affairs of the College. Open to Freshmen only.

Society for Promoting Religion and Learning Scholarships.... 8

Founded by the Society for Promoting Religion and Learning, and awarded upon the nomination of that Society. Two students in each class.

—21

**Benefactors**

Morgan Scholarships..... 5

Vanderbilt Scholarships..... 5

A. A. Low Scholarships..... 3

Cutting Scholarships..... 2

Clark Scholarships..... 2

Sloan Scholarship..... 1

Parish Scholarship..... 1

Schiff Scholarship..... 1

—20

Carried forward..... 72

Brought forward..... 72

Established by the Trustees in 1899 in recognition of the liberal gifts for the purchase of the site on Morningside Heights received from J. Pierpont Morgan, Cornelius Vanderbilt, A. A. Low, R. Fulton Cutting, Alfred Corning Clark, Samuel Sloan, Henry Parish, Jacob H. Schiff, and others, designated collectively as "Benefactors Scholarships," of which the above have been assigned to the College. Open to students who have been not less than one year in the College. ——72

Scholarships under Section II are awarded under the following conditions:

Applications for scholarships must be made to the Committee, on blanks provided for the purpose, that may be obtained of the Secretary of the University.

The term of all scholarships is one year only. Should a renewal be desired by any scholar he must make formal application for the same as in the first instance.

Students not in need of aid cannot be considered as applicants, nor will scholarships be assigned to candidates who through physical, mental, or moral weakness give little promise of future usefulness. Scholarships falling vacant may be filled at the discretion of the Committee.

**Summary**

A—*Scholarships Awarded to Students who have been in Residence at least One Year:* Twenty Benefactors Scholarships may be assigned each year to students who have been in residence for at least one year. The award is, in groups 1 and 2, based on the rank attained by the candidates in the work of the previous year.

Applications should be filed with the Committee not later than May 1; the awards will be made not later than July 1.

Students who have won competitive scholarships in their freshman year (*i. e.*, three Alumni Scholars, nine Brooklyn Scholars, and three Hewitt or Harper Scholars, see Section I) may also be reappointed from year to year by the Committee, under certain conditions.

B—*Scholarships Awarded to Students in their First Year of Residence:* The five Schermerhorn, two Moffat, two Stuart, and four Alumni Association Scholarships are assigned to candidates entering the College, either before or after entrance. To secure such an award before entrance the candidate must be strongly recommended by the college, academy, or school with which he has been connected, and must have passed satisfactory entrance examinations. To secure such an award after entrance, he must have similar recom-

mendations, have passed satisfactory entrance examinations, and, in general, have shown marked proficiency or promise in his college work.

For award at entrance, applications should be filed not later than May 1; awards will be made not later than July 1. For award after entrance, applications should be filed not later than November 15; in general, awards will be made not later than December 1.

C—*Faculty Scholarships*, eight in number, the Beck Scholarship, and the two Campbell Scholarships may be awarded to students in their first year of residence, or to students who have been in residence at least one year, at the discretion of the Committee on Scholarships. In their award, the general regulations applicable to the group in which they are awarded must be observed.

### Prize of the Alumni Association

A prize of fifty dollars in money or its equivalent, at the option of the receiver, established by the Association of the Alumni of Columbia College, was first awarded at Commencement in June, 1858. It is given "to the most faithful and deserving student of the graduating class."

Three names are selected by the Faculty and submitted to the class, who from these three designate one to receive the prize. Should the class at any time fail to make the selection, and give notice thereof to the President of the University at least ten days prior to the day appointed for Commencement, the selection of the student to receive the prize may be made by the Faculty.

### Chanler Historical Prize

In 1877, J. Winthrop Chanler, A.B. '47, bequeathed "to the Trustees of Columbia College in the City of New York the sum of $1000, to be invested and kept invested, and the income thereof to be given annually, on Commencement Day, to the undergraduate member of the senior class of said College who shall be the author of the best original manuscript essay in English prose on the history of civil government in America, or some other historical subject, the same to be determined by the judgment and decision of the Faculty of said College." The bequest became available in 1879.

The competitive essays must be handed to the President on or before May 1.

### General Theological Seminary Prizes

Regulations as to the Seminary prizes adopted by the Protestant Episcopal Society for Promoting Religion and Learning in the State of New York, at a stated meeting held on April 25, 1900:

1. Notice shall be given every year of the conditions of the prizes under the old regulations (see Announcement of the College for 1900–1901, page 72), and applications invited. Wherever the conditions of the preceding competition show that one or both of the prizes have not been taken for lack of applicants, notice shall at the same time be given of the competition for the prize or prizes thus open under the following new regulations:

(*a*) The Society's Greek Seminary Prize of $30 shall be competed for among such members of the graduating class of Columbia College as shall be candidates for the General Theological Seminary of the Protestant Episcopal Church, and who have taken Greek for not less than two years during their College course; the examination for the prize to be held publicly and separate from the general examination, and to be either oral or in writing as may be determined by the Dean of the General Theological Seminary and the Jay Professor of Greek in Columbia University; such examination to be on, first, such portion of the New Testament in Greek as may be designated by the Faculty of the General Theological Seminary and the Jay Professor of Greek; second, on some part of the writings of one of the Greek Fathers to be designated in like manner; the award to be made by a representative of the General Theological Seminary and the Jay Professor of Greek in Columbia University.

(*b*) The Society's English Prize of $20 shall be competed for by members of the graduating class of Columbia College who are candidates for the General Theological Seminary and who take or have taken the courses designated in the Announcement of Columbia College as English 1 and 2, or their equivalent; the competition to consist in their production of an essay of the ordinary length of a pulpit discourse; the subjects for such essay to be announced on or before June 1st, and the essays to be handed in to the President of Columbia University on or before May 1st of the following year; the award to be made by a representative of the General Theological Seminary and the Professor of Rhetoric and English Composition, or his successor, by whatever title designated in Columbia College, on the basis of the general ability and soundness of the essay, its logical and demonstrative form, and its style; the essay to be typewritten and to follow the same regulations as to form as that prescribed for graduating theses of the senior class in Columbia College.

### Scholarship in the General Theological Seminary

The scholarship in the General Theological Seminary of the Protestant Episcopal Church (heretofore placed at the disposal of the Trustees of Columbia University by the Society for Promoting Religion and Learning in the State of New York) is awarded upon the following conditions, to wit:

(*a*) All candidates shall comply with the requirements for admission to the General Theological Seminary as candidates for the ministry of the Protestant Episcopal Church, and must have taken the degree of Bachelor of Arts and have graduated with honors.

All candidates shall report themselves to the Educational Committee of such Society at least three months previous to the examination to be held by the Faculty for the purpose of awarding such scholarship.

### Scholarships and Prizes in the School of Law

Twenty-one scholarships of the annual value of $150 each are available annually for award to meritorious students in the School of Law standing in need of pecuniary aid as follows:

*Benefactors Scholarships.*—Eight Morgan and eight Vanderbilt Scholarships, known as Benefactors Scholarships, may be awarded to students who have been in the school for at least one year and whose record for ability and scholarship gives evidence of special fitness for the work of the school.

*Faculty Scholarships.*—Four Faculty Scholarships of the annual value of $150 each may be awarded to members of any class who are college graduates and whose record for ability and scholarship, obtained either before or after matriculation, gives evidence of special fitness for the work of the school.

The scholarships will be awarded by the Faculty at its meeting in June, immediately preceding Commencement. Scholarships not allotted at the June meeting, or becoming vacant, may be filled by the Faculty at its discretion.

Scholarships will be awarded only to applicants intending to complete the course.

Applications should be made in writing, on blanks which will be furnished for the purpose by the Secretary, and should be addressed to the Dean of the School. Applications should be made not later than May 1.

#### Beck Prize Scholarship

A scholarship, known as the "Charles Bathgate Beck Prize Scholarship," is awarded annually to the member of the first-year class in the Law School who, having given evidence of special fitness in ability and scholarship, and having reported himself in writing to the Dean as a candidate for this scholarship, shall pass the best examination in the subjects of the Law School course relating to Real Estate Law. The holder of such scholarship shall, provided he remains a member of the school, receive one year's income of the prize fund established by the will of Charles Bathgate Beck in equal semi-annual instalments, during the two years following the award. In the event of two or more students

passing examinations of equal merit, the income of the fund may be subdivided.

## Fellowships, Scholarships, and Prizes in the College of Physicians and Surgeons

There are no scholarships open to candidates for the degree of M.D.

### Fellowships of the Alumni Association

In June, 1891, the Trustees, at the request of the Alumni Association of the College of Physicians and Surgeons, established three fellowships to be known as the "Fellowships of the Alumni Association of the College of Physicians and Surgeons," the provision for which is made annually by the Association.

These fellowships are open to graduates of the College of Physicians and Surgeons who have shown special aptitude for scientific research in the departments of anatomy, physiology, or pathology. They are held for a period of two years, and have an annual value of $500 each. The appointments to these fellowships are made by the Executive Committee of the Alumni Association from candidates presented to them by the Professor of Anatomy, the Professor of Physiology, and the Professor of Pathology.

The persons appointed to these fellowships are expected to devote themselves to scientific research in the department which they may elect, in this country, either in the schools of Columbia University, where they enjoy free tuition and the privileges of the laboratories, or in other institutions at their own expense. At the end of two years the holders of these fellowships are expected to present to the Association a thesis containing evidence of independent or original work in their special department.

### Proudfit Fellowship in Medicine

A fellowship known as the "Maria McLean Proudfit Fellowship," founded by the bequest of Alexander Moncrief Proudfit, of the Class of '92, for the encouragement of advanced studies in medicine, is open to all persons who, being the sons of native-born American parents, shall pursue advanced studies in internal medicine under the direction of the Medical Faculty of the University, and who shall, while enjoying such fellowship, remain unmarried. Such Fellow shall be a graduate in medicine and shall be appointed by the University Council upon the recommendation of the Faculty of Medicine. Such appointment shall be made every four years, beginning in 1904, upon terms to be designated by the Faculty. A vacancy may be filled for any unexpired term. The Fellow so appointed shall be entitled to receive, during his incumbency, the net income of the capital sum constituting the endowment of such fellowship. He shall carry on his studies and

research at Columbia University, or elsewhere, under the direction of the Faculty of Medicine.

### Alonzo Clark Scholarship

By the will of the late Alonzo Clark, M.D., LL.D., for many years President of the College of Physicians and Surgeons, and Professor of Pathology and Practical Medicine, it has been placed in the power of the Medical Faculty to bestow a scholarship, with an income of about $700 a year, for the purpose of promoting the discovery of new facts in medical science.

### Harsen Prizes for Clinical Reports

Three annual prizes, founded in 1859 by the late Jacob Harsen, M.D., who was graduated from the College in 1825 and from the College of Physicians and Surgeons in 1829, are offered for the three best reports, in writing, by students of the Medical School, of the clinical instruction given at the New York Hospital during any four consecutive months of the year which ends on Commencement Day.

These reports must embrace the clinical teaching of both the visiting physician and the visiting surgeon on duty.

Each report must be designated by a device or motto, and must be accompanied by a sealed envelope, bearing the same device or motto, and containing the name and address of the author.

The prizes are as follows:

A first prize of $150; a second prize of $75; a third prize of $25.

A "Harsen Prize Medal" and a diploma are given with each prize.

### Harsen Prizes for Proficiency at Examination

In consequence of the great increase in value of the Harsen Prize Fund, in addition to the three prizes above mentioned, there are awarded three Harsen prizes for proficiency at examination, viz.:

A first prize of $500; a second prize of $300; a third prize of $200.

The award of these prizes is made as follows:

The ten members of each graduating class who, at their examination for the degree of Doctor of Medicine, have shown the highest proficiency in all the branches combined, receive each a diploma of "Examination Honors" and are entitled to take part in special competitive examinations, the three most meritorious competitors at which receive the first, second, and third prizes, respectively.

The competitive examinations consist:

1. Of an examination in writing, covering *all the branches* of medical teaching.

2. Of an examination upon the cadaver in *practical anatomy*, conducted by the Professor of Anatomy.

3. Of practical examinations in *clinical medicine* and *clinical surgery*, conducted at the hospitals by the Professors of Medicine and Surgery, respectively.

The relative merits of the competitors are decided, and the award of the prizes made, by a committee of three judges, consisting of the Dean of the College of Physicians and Surgeons, the President of the Association of the Alumni of the same, and a resident alumnus selected by them.

### Alumni Association Prize

The Alumni Association Prize is a biennial prize of $500 open for competition to the alumni of the College of Physicians and Surgeons. It is awarded for the best medical essay submitted upon any subject the writer may select, and is open to competition in alternate years with the Cartwright Prize.

If no one of the competing essays be deemed sufficiently meritorious, the prize is not awarded.

An essay in order to be held worthy of the prize must contain the result of original investigation made by the writer.

This prize is not awarded to any essay which is the work of more than one author, or which is at the same time submitted for another prize. Each competitor is required to send with his essay to the Prize Committee a statement that these requirements have been complied with.

Essays in competition for the prize to be awarded at Commencement, 1902, must be sent to the Secretary of the Alumni Association of the College of Physicians and Surgeons on or before April 1, 1902.

Competing essays must each be marked with a device or motto, and accompanied by a sealed envelope, similarly marked, and containing the name and address of the author.

### Cartwright Prize of the Alumni Association

The Cartwright Prize was endowed by a bequest of $10,000 left by Benjamin Cartwright, and consists of $500, and is offered for competition in alternate years with the Alumni Association Prize.

It is awarded on the same terms as the latter, except that it is open to universal competition. Essays in competition for the prize to be awarded at Commencement, 1902, must be sent to the Secretary of the Alumni Association on or before April 1, 1902.

### Stevens Triennial Prize

The Stevens Triennial Prize was established by the late Alexander Hodgdon Stevens, M.D., formerly President of the College of Physicians and Surgeons, on the following plan:

The prize, awarded triennially, consists of the interest yielded by the principal fund during three years, and amounts to $200.

The administration of the prize is entrusted to a commission, consisting of the Dean of the Medical Faculty ex-officio, the President of the Alumni Association of the College of Physicians and Surgeons ex-officio, and the Professor of Physiology ex-officio in the same institution.

The prize is awarded to no essay unless it is sufficiently meritorious and includes the results of original research by the writer upon the subject chosen.

The competing essays must be sent in to the Dean of the College of Physicians and Surgeons on or before the first day of January, 1903. Each essay must be designated by a device or motto, and must be accompanied by a sealed envelope, bearing the same device or motto, and containing the name and address of the author. The envelope belonging to the successful essay will be opened, and the name of the author announced, at the annual Commencement of the University in 1903.

The prize is open for universal competition.

#### Joseph Mather Smith Prize

The fund for the Joseph Mather Smith Prize was given by the relatives, friends, and pupils of the late Dr. Smith, as a memorial of his services as Professor of Materia Medica in the College of Physicians and Surgeons from 1826 to 1866. Under the provisions of the trust an annual prize of $100 is awarded for the best essay (if sufficiently meritorious) on the subject of the year, presented by an alumnus of the College of Physicians and Surgeons. The competing essays should be sent to the Dean of the Medical Faculty on or before March 10, each essay signed with a device or motto, and accompanied by a sealed envelope, inscribed with the same device or motto, and containing the name of the author. The envelope of the successful essayist will be opened, and the prize awarded at the annual Commencement next following.

### Schools of Mines, Chemistry, Engineering, and Architecture

#### Columbia Fellowship

A fellowship known as the "Columbia Fellowship in Architecture," established by the Trustees in recognition of the gifts of F. Augustus Schermerhorn, E.M. '68, to the department of Architecture, open to all graduates of the School of Architecture less than thirty years of age, is awarded under such rules and regulations as shall from time to time be determined by the President and the Professor of Architecture. Holders of such fellowships shall devote the income thereof to foreign study and travel in accordance with plans prepared by themselves and approved by the President and such professor, and shall upon return

present a written report and exhibit drawings in the School of Architecture. Said fellowship shall be awarded in the spring of every even-numbered year, and payments thereof shall be made by the Treasurer, on the certificate of the Professor of Architecture, endorsed by the President.

### McKim Fellowships

Two fellowships, known as the "McKim Fellowships in Architecture," endowed by gift of Charles F. McKim of $20,000, are awarded upon like conditions and for like purposes as are specified in the foregoing section, but such fellowships shall be awarded in the spring of every uneven-numbered year, and payments thereof shall be made by the Treasurer, on the certificate of the Professor of Architecture, endorsed by the President.

### Perkins Fellowship

A travelling fellowship, of the value of about $1000, from the bequest of the late Willard B. Perkins, will be awarded in the spring of every fourth year beginning with the year 1902. This fellowship is open to all graduates of the School of Architecture less than thirty years of age, and shall be awarded under such rules and regulations as shall from time to time be established by the President and the Professor of Architecture. Holders of this fellowship shall devote the income thereof to study and travel, in accordance with plans prepared by themselves and approved by the President and such professor, and shall upon return present a written report and exhibit drawings in the School of Architecture. Payments shall be made by the Treasurer on the certificate of the Professor of Architecture, endorsed by the President, in four equal instalments upon the usual quarter days.

### Benefactors Scholarships

In recognition of the liberal gifts for the purchase of the site on Morningside Heights which have been received from J. Pierpont Morgan, Cornelius Vanderbilt, D. Willis James, Morris K. Jesup, Samuel D. Babcock, Oswald Ottendorfer, and others, the Trustees have established a number of scholarships, known collectively as Benefactors Scholarships, twenty-seven of which, of the annual value of $200 each, are open to students in the Schools under the Faculty of Applied Science, as follows: seven Morgan, seven Vanderbilt, ten James, one Jesup, one Babcock, and one Ottendorfer. These scholarships may be awarded to students who have been in the University for at least one year, and whose record for ability and scholarship gives evidence of special fitness for the course of study which they propose to pursue.

#### Faculty Scholarships

In addition to the above, eight Faculty Scholarships of the annual value of $200 each may be awarded to members of any class whose records for ability and scholarship, obtained either before or after matriculation, give evidence of special fitness for the course of study which they propose to pursue.

Applications for the above scholarships should be made in writing on blanks, which will be furnished for the purpose by the Registrar, and addressed to the Dean of the Faculty of Applied Science. Applications should be made not later than May 1, as any received later than this may fail to receive consideration.

The award of scholarships will be made not later than July 1 by the Committee on Admissions. Scholarships not allotted at this time, or becoming vacant, may be filled by the Committee at its discretion.

Scholarships granted in the first year of a student's connection with the University shall be for a half-year only, and shall be continued to those candidates only who have maintained a satisfactory academic standing during that period.

In awarding scholarships, preference will be given always to students of good academic standing and free from entrance conditions or other deficiencies. Scholarships will be awarded only to applicants who intend to complete one of the regular courses.

#### Lawrence Scholarship

Through the generosity of Mr. Benjamin B. Lawrence of the Class of 1878, Applied Science, a scholarship in Mining Engineering of the value of $200 is available annually for a deserving student in the course in mining engineering.

#### Illig Medals

"Illig Medals," provided for by a bequest of $2000 left by William C. Illig, E.M. '82, are awarded annually at Commencement to the student or students in the graduating class of one of the Schools of Mines, Chemistry, Engineering, or Architecture who shall, in the judgment of the Faculty, have merited the same by commendable proficiency in their regular studies.

### School of Political Science

#### Schiff Fellowship

The Schiff Fellowship in Political Science, the gift of Mr. Jacob H. Schiff, of the annual value of $600, is open to graduates holding a first degree from any college or scientific school of good standing either

in this country or in Europe. Appointment to the fellowship is made each year by the University Council upon the recommendation of the Faculty of Political Science, and the recommendation of this Faculty is based upon the nomination following: On or before April 1 of each academic year the Faculty of Political Science shall propose to Mr. Jacob H. Schiff, while living, the name of a suitable person for nomination by him. After Mr. Schiff's death, his oldest living male descendant bearing his family name is to enjoy the right to nominate in the same manner. Should the family name become extinct, the right of nomination is to inhere in the oldest direct descendant of Mr. Schiff, bearing any other name, who is a resident of the United States. Should no nomination be made by Mr. Schiff or his successor after proper notification by the Faculty of Political Science, the President of the University is to have the right to nominate. Should the recommendation made by the Faculty be unacceptable to the person having the right of nomination, the Faculty shall propose other names until a nomination is made.

### George William Curtis Fellowship

A fellowship, known as the "George William Curtis Fellowship," open to graduates of all colleges and scientific schools in good standing in this country or abroad, will be awarded by the University Council upon the recommendation of the Faculty of Political Science in every third year, beginning July 1, 1901, and the appointment shall be held for the term of two years, subject to such regulations as the Council shall from time to time establish in accordance with the terms of the endowment. Any person holding such fellowship for the full term of two years shall be entitled to receive during his incumbency the net income of the endowment accruing during a period of three years, and proportionately for any part of the term.

Candidates for the fellowship shall submit an essay or address on the "Immediate Duty of the American Citizen," in addition to complying with the requirements of candidates for University fellowships.

The holder shall devote himself to the study of the science of government, with a special view to its application to the then existing condition of the United States or to the State or City of New York; and at or before the conclusion of his second year he shall publish a monograph which shall be satisfactory to the Faculty of Political Science on some subject relating to such existing condition. In connection with this monograph he shall also prepare and publish a brief sketch of George William Curtis as a citizen and orator, showing that he has familiarized himself with the life and character of the man whose memory is to be perpetuated by the fellowship which he has enjoyed.

#### Bennett Prize

A prize of $40, to be given on Commencement Day, has been established by Mr. James Gordon Bennett. The prize is awarded by the Faculty of Political Science for the best essay in English prose upon some subject of contemporaneous interest in the domestic or foreign policy of the United States, the subject for the present year being "The Interests of the United States in the Far East." The competition is open to seniors in the College, whether regular or special students, and to all students, under any of the faculties of the University, who have not yet taken the baccalaureate degree in arts, letters, or philosophy, provided that they take courses amounting to six hours a week throughout the year in the School of Political Science. Essays must be submitted to the President on or before May 1. If no satisfactory essay is received no award will be made. No award will be made for any essay that is defective in English composition.

### School of Philosophy

#### Mosenthal Fellowship

A fellowship known as the Joseph Mosenthal Fellowship in Music was established in 1898 in memory of the late Joseph Mosenthal, of New York City, and is designed to aid talented students of musical composition in the study of their art either here or abroad.

It is now awarded in every even-numbered year, and its value at each award is $600.

The appointment to the fellowship will be made by the University Council on the recommendation of the Professor of Music.

The Fellow must pursue his or her studies either at Columbia University or under the direction of some master approved by the President and Professor of Music. Applicants are required to have a thorough knowledge of harmony and the elements of counterpoint. This fellowship, which is open to both men and women, was bestowed for the first time at Commencement, 1899. For the award of 1902, applications should be made prior to March 1, in writing, addressed to the President of Columbia University, on blanks provided for the purpose, which will be sent upon request.

#### Proudfit Fellowship in Letters

A fellowship known as the "Alexander Moncrief Proudfit Fellowship in Letters," for the encouragement of the study of English Literature, founded by the bequest of Alexander Moncrief Proudfit of the Class of '92, for the encouragement of the study of English Literature, is open to all persons who, being the sons of native-born American parents, shall have taken the degree of Bachelor of Arts after a three years' residence in Columbia College, and who shall, while enjoying such

fellowship, remain unmarried. Such Fellow shall be appointed by the University Council upon the joint recommendation of the professors in the department of English. Such appointment shall be for the term of one year, and may be renewed, for reasons of weight, for two terms of one year each, and no more. The Fellow so appointed shall be entitled to receive during his incumbency the net income of the capital sum constituting the endowment of such fellowship, to be paid upon the certificate of the President. He shall carry on his studies and research at Columbia University, or elsewhere, under the direction of the professors in the department named.

## SPECIAL FUNDS

The following funds have been given to the Trustees from time to time and are held by them for the purposes specified :

GEBHARD FUND :

Bequest of Frederick Gebhard of $20,000, for the endowment of a Professorship in the German Language and Literature. 1843.

FUND OF THE SOCIETY FOR PROMOTING RELIGION AND LEARNING :

Gift (through Professor McVickar) of $1000, for the endowment of two prizes. 1852.

" The Society's Greek Seminary Prize," and
" The Society's English Seminary Prize."
Statutes, Ch. VIII, Sec. 7.

SAMSON SIMSON FUND :

Bequest of Samson Simson, Class of 1800, of $1000 applied to the endowment of a fund for the purchase of law books. 1857.

HARSEN PRIZE FUND :

Bequest of Jacob Harsen, M.D., Class of 1825, of $31,114.10, for the endowment of prizes to be awarded to students in the College of Physicians and Surgeons. 1859.

" Harsen Prizes." Statutes, Ch. X, Secs. 8, 9.

MOFFAT SCHOLARSHIP FUND :

Bequest of William B. Moffat, M.D., Class of 1838, of $2000, for the endowment of scholarships. 1862.

" Moffat Scholarships." Statutes, Ch. XXII, Sec. 5.

STEVENS PRIZE FUND :

Gift of Dr. A. H. Stevens, Professor of Surgery, 1860–1867, of $1899.88, for the endowment of a prize. 1866.

" Stevens Prize." Statutes, Ch. X, Sec. 12.

JOSEPH MATHER SMITH PRIZE FUND :

Subscription fund of $2337.81, as a memorial of Dr. Smith, for the endowment of a prize in the College of Physicians and Surgeons. 1874.

" Joseph Mather Smith Prize." Statutes, Ch. X, Sec. 13.

CHANLER PRIZE FUND :

Bequest of John Winthrop Chanler, Class of 1847, of $1000, for the endowment of an essay prize. 1877.

" Chanler Historical Prize." Statutes, Ch. VIII, Sec. 8.

SCHERMERHORN SCHOLARSHIP FUND :

Bequest of John Jones Schermerhorn, Class of 1825, of $5000, for the endowment of scholarships. 1877.

"Schermerhorn Scholarships." Statutes, Ch. XXII, Sec. 6.

JOHN MCKEON FUND :

Bequest of John McKeon, Class of 1825, of $1000, applied to the endowment of a fund for the purchase of law books. 1885.

TYNDALL FELLOWSHIP FUND :

Gift of John Tyndall, LL.D., Professor of Natural History in the Royal Institution of Great Britain, of $10,945.50, for the endowment of a fellowship in Physics. 1885.

"John Tyndall Fellowship for the Encouragement of Research in Physics." Statutes, Ch. XXI, Sec. 3.

ALONZO CLARK SCHOLARSHIP FUND :

Gift of $14,000 as a memorial of Alonzo Clark, President of the College of Physicians and Surgeons, 1875–1884, for the endowment of a scholarship. 1887.

"Alonzo Clark Scholarship." Statutes, Ch. X, Sec. 14.

MCKIM FUND :

Gift of Charles F. McKim of $20,000, for the endowment of travelling fellowships in Architecture. 1889.

"McKim Fellowships." Statutes, Ch. XXI, Sec. 7.

F. A. SCHERMERHORN FUND :

Gift of F. Augustus Schermerhorn, Class of 1868, of $13,000, to the School of Architecture, applied to the endowment of a travelling fellowship in Architecture. 1889.

"Columbia Fellowship." Statutes, Ch. XXI, Sec. 6.

BARNARD FUND FOR THE INCREASE OF THE LIBRARY :

Bequest by President Barnard of $62,086.21, and augmented by a bequest by his widow, Margaret M. Barnard, of $16,231.67, to endow a fund for the purchase of books, especially those relating to physical or astronomical science, and for the award of a medal for discovery in physics or astronomy. 1889.

"Barnard Medal for Meritorious Service to Science." Statutes, Ch. XXII, Sec. 8.

BARNARD FELLOWSHIP FUND :

Bequest by President Barnard of $10,000, for the endowment of a fellowship for encouraging scientific research. 1889.

"Barnard Fellowship for Encouraging Scientific Research." Statutes, Ch. XXI, Sec. 4.

DACOSTA FUND :

Bequest of Charles M. DaCosta, Class of 1855, Trustee 1886–1890, of $100,000, has provided $86,576.83, applied to the endowment of the DaCosta Professorship of Zoölogy and of $20,000 used for fitting up the DaCosta Laboratory of Zoölogy. 1890.

SLOANE MATERNITY HOSPITAL FUND :

Gift of William D. Sloane and Emily Thorn Vanderbilt Sloane, of $250,000, for the endowment of the Hospital. 1890.

VANDERBILT CLINIC ENDOWMENT FUND :

Gift of Cornelius Vanderbilt, William K. Vanderbilt, Frederick W. Vanderbilt, and George W. Vanderbilt, of $115,000, for the endowment of the Clinic. 1890.

AVERY ARCHITECTURAL FUND :

Gift of Samuel P. Avery and Mary Ogden Avery of $30,000, in memory of their deceased son, Henry Ogden Avery. The income to be applied to the purchase of books relating to architecture, decorations, and allied arts. 1890.

MARGARET M. BARNARD FUND :

Bequest of Margaret M. Barnard (widow of President Barnard) of $16,231.67, to augment the fund established by President Barnard. 1892.

LOUBAT FUND :

Gift of Joseph F. Loubat of $7000, for the endowment of two prizes of $1000 and $400 to be awarded once in every five years for the best work printed and published in the English language on the history, geography, archæology, ethnology, philology, or numismatics of North America. 1892.

"Loubat Prizes." Statutes, Ch. XXII, Sec. 15.

LOUBAT PRIZE FUND :

The accumulated income of the Loubat Fund, from which are awarded every five years prizes to the amount of $1400, is kept as a separate fund.

TROWBRIDGE FUND :

Gift of $10,000, for the endowment of a fellowship in Engineering as a memorial of William P. Trowbridge, Ph.D., LL.D., Professor of Mining Engineering, 1877–1892. 1893.

"William Petit Trowbridge Fellowship in Engineering."

PULITZER SCHOLARSHIP FUND :

Gift of Joseph Pulitzer of $100,000, for the endowment of scholarships.

"Pulitzer Scholarships." 1893.

BENNETT PRIZE FUND :

Gift of James Gordon Bennett of $1000 for the endowment of an essay prize. 1893.

"Bennett Prize." Statutes, Ch. XII, Sec. 8.

HAMILTON FISH FUND :

Bequest of Hamilton Fish, LL.D., Class of 1827, Trustee, 1840–93, of $50,000. In recognition of this gift, the "Hamilton Fish Chair of International Law and Diplomacy" was so named. 1893.

HENRY DRISLER CLASSICAL FUND :

Gift of $10,000, presented by Seth Low, LL.D., Class of 1870, in commemoration of the semi-centennial of Professor Drisler in the service of the College, for the endowment of a fund for the purchase of books and works of art for the Greek and Latin departments. 1894.

GRANT SQUIRES FUND :

Gift of Grant Squires, Class of 1885, of $1050, for the endowment of an essay prize. 1895.

"Grant Squires Prize." Statutes, Ch. XXII, Sec. 14.

STUART SCHOLARSHIP FUND :

Gift of Mrs. Cornelia A. Atwill of $6000, for the endowment of the "Stuart Scholarships" in memory of her grandsons, Sidney Barculo Stuart, Class of 1880, and Eugene Talman Stuart, Class of 1881. 1896.

"Stuart Scholarships." Statutes, Ch. XXII, Sec. 13.

ALEXANDER I. COTHEAL FUND FOR THE INCREASE OF THE LIBRARY :

Gift of Mrs. Samuel R. Lawrence and Mrs. James R. Swords of $6000 in memory of their brother, Alexander I. Cotheal, for the endowment of a fund for the purchase of books in the Oriental languages, or relating to Oriental subjects.

ROBERT CENTER FUND FOR INSTRUCTION IN MUSIC :

Gift of Mrs. Mary Elizabeth Ludlow of real estate and securities valued at $123,524.50, for the endowment of a fund for instruction in music as a memorial of her son, Robert Center, applied to the maintenance of a professorship. 1896.

STUDENTS' LOAN FUND :

Gift of Jacob H. Schiff of $5000, for the aid of needy students. 1896.

H. C. BUNNER PRIZE FUND :

Gift of $1000, for the endowment of an essay prize. 1896.

"H. C. Bunner Medal." Statutes, Ch. XXII, Sec. 16.

ILLIG FUND :

Bequest of William C. Illig, Class of 1882 (S. of M.), of $2000, for the endowment of scholarship medals. 1897.

"Illig Medals." Statutes, Ch. XI, Sec. 9.

MOSENTHAL FELLOWSHIP FUND :

Gift of friends of the late Joseph Mosenthal of $7500, to found a fellowship in Music. 1898.

"Mosenthal Fellowship." Statutes, Ch. XXI, Sec. 15.

PERKINS FELLOWSHIP FUND :

Bequest of Willard B. Perkins, who died in 1897, of $5700. The income to be expended every four years for a travelling fellowship in the Architectural department. The fellowship will be next awarded in June, 1902. 1898.

Statutes, Ch. XXI, Sec. 17.

SCHIFF FELLOWSHIP FUND :

Gift of Jacob H. Schiff of $15,000, to found a fellowship in the School of Political Science, to be annually awarded by the Faculty on the nomination of the donor or his eldest living male descendant. 1898.
Statutes, Ch. XXI, Sec. 16.

SEIDL FUND :

The proceed amountings, to $12,000, of a memorial performance held at the Metropolitan Opera House on March 23, 1899, in honor of the late Anton Seidl. The income of the fund to be paid to Mrs. Seidl during her lifetime, and thereafter 'to be awarded at least every second year to the most promising candidate, either man or woman, prepared to devote himself to the study of musical composition at Columbia University, or elsewhere in this country or abroad." 1899.

WARING MUNICIPAL FUND :

The Chamber of Commerce of the State of New York, in the latter part of the year 1898, raised by public subscription the sum of $100,000, to perpetuate the memory of the late Col. George E. Waring. The income thereof (to be not less than $4000 per year) to be paid semi-annually to the widow and daughter of Colonel Waring during their lifetime, and thereafter the income "shall be devoted to the purpose of instruction in municipal affairs in such manner as the President and Board of Trustees of said Columbia College may direct." 1899.

FUND FOR THE ENDOWMENT OF THE ABRAHAM JACOBI WARD FOR CHILDREN IN ROOSEVELT HOSPITAL :

Gift of an anonymous donor of $50,000, "to endow a ward for children in the Roosevelt Hospital." 1899.

BECK FUNDS :

The late Charles Bathgate Beck, A.B. Class of '77, LL.B. Class '79 (who died in 1894), bequeathed the sum of $10,000 to be applied as follows: $2000 to found one free scholarship, the income to be applied "to the free yearly tuition and education in said College of one student forever, under such terms and conditions as the rules of said College and said Trustees shall prescribe." The income of the remaining $8000 to be used for an annual prize "to the students in the Law School who shall pass the best examination in Real Estate Law." 1899.
Statutes, Ch. XXII, Secs. 24, 25.

CURTIS FUND :

Gift of the George William Curtis Memorial Committee of $10,000 to establish a fellowship in the School of Political Science in Columbia University, to bear the name and to perpetuate the memory of the late George William Curtis. The holder of the fellowship to devote himself to the study of the Science of Government, with a special view to its application to the then existing condition of the United States, or of the State or City of New York, and to publish a monograph on some subject relating to the then existing condition of the United States. 1899.

DYCKMAN FUND :

Gift of Isaac Michael Dyckman of $10,000, in memory of his uncles, Dr. Jacob Dyckman and Dr. James Dyckman, both of the College of Physicians and Surgeons, to establish the " Dyckman Fund for the Encouragement of Biological Research," the interest derived therefrom to be devoted annually to such object consistent with the purposes of the gift as shall be recommended by the department of Zoölogy and approved by the President." 1899.

ALEXANDER MONCRIEF PROUDFIT FELLOWSHIP FUND :

Legacy of $15,000 from the late Alexander Moncrief Proudfit, to found a fellowship to be known as " The Alexander Moncrief Proudfit Fellowship in Letters." 1899.

Statutes, Ch. XXI, Sec. 18.

MARIA MCLEAN PROUDFIT FELLOWSHIP FUND, SCHOOL OF MEDICINE :

Legacy of $15,000 from the late Alexander Moncrief Proudfit, to found a fellowship in the School of Medicine, to be known as " The Maria McLean Proudfit Fellowship." 1899.

Statutes, Ch. XXI, Sec. 19.

TRUST FUND FOR PSYCHOLOGY :

Gift of $100,000 from John B. Rockefeller as an endowment of the head professorship of the Psychological Department of Columbia University. 1899.

CARL SCHURZ FELLOWSHIP FUND :

Fund of $10,000 from the Carl Schurz Fund Committee to establish a fellowship in honor of Carl Schurz. 1900.

Statutes, Ch. XXI, Sec. 21.

CARL SCHURZ LIBRARY FUND :

Fund of $10,000 from the Carl Schurz Fund Committee, established in honor of Carl Schurz. The income to be devoted to the purchase of books, maps, pamphlets, and the like, in the field of the German Language and Literature. 1900.

Statutes, Ch. XXI, Sec. 21.

CAMPBELL SCHOLARSHIP FUND :

Gifts of $3000 each from Miss Maria L. Campbell and Miss Catharine B. Campbell, for the establishment of two scholarships in the College, in memory of Robert B. Campbell of the Class of '44, and Henry P. Campbell of the Class of '47. 1901.

GERMAN LECTURE FUND ($1000) :

Composed of gifts for an endowment for Public Lectures in German at the University. The income to be used towards paying for advertising, printing, slides, etc., for this course. 1901.

EATON PROFESSORSHIP FUND :

On account bequest of the late Dorman B. Eaton of $100,000, to endow and maintain a Professorship of Municipal Science and Administration in the College. 1901.

DEAN LUNG PROFESSORSHIP IN CHINESE FUND.

Gift of Anonymous Friend, through the President, of $100,000 towards the founding of a Department of Chinese Languages, Literatures, Religion, and Law, and especially for the establishment of a Professorship to be known as the Dean Lung Professorship of Chinese. 1901.

## PRIVILEGES IN OTHER INSTITUTIONS OPEN TO STUDENTS OF COLUMBIA UNIVERSITY

### American Museum of Natural History

The American Museum of Natural History places its collection at the service of advanced students of Columbia University for the purposes of study and research, and provides them with the necessary facilities for work.

### Metropolitan Museum of Art

The Metropolitan Museum of Art admits students of Columbia University to the Museum on presentation of their matriculation cards, and gives them permission to draw, sketch, or copy objects in the Museum; the curator of the department in which the student desires to work furnishing him with cards for the work.

Objects may be removed temporarily from exhibition for the purpose of special study, and students are allowed to study these objects in rooms specified for the purpose.

### Union Theological Seminary

The Union Theological Seminary admits, without fee, such students of high standing in the senior year of Columbia College and in the graduate schools of the University as may be recommended by the President, to such lectures in the regular courses of the Seminary as may be agreed upon by the Faculty of the Seminary and the President of Columbia University, and also any students of high standing in the graduate schools of Columbia University recommended by the President, to any optional or special classes, subject to the approval of the Faculty of the Seminary.

The privileges of the Library of the Seminary, for reference, are open to all students of Columbia University on recommendation of the President. Reciprocal advantages are offered by the University to students of the Seminary.

### Botanical Garden

Columbia University has the right to conduct university courses in botany at the New York Botanical Garden and to use the laboratories and floral material of the same, and all courses of instruction given there are open to officers and students of the University without charge.

## PUBLIC LECTURES

The University conducts annually a single course of public lectures by some eminent authority at the Cooper Union, and, beginning with the year 1902–03, will conduct similar courses in alternate years at the American Museum of Natural History and the Metropolitan Museum of Art. During the year many public lectures are also

delivered at the University, several of the Departments of Instruction presenting courses of lectures each year. Information as to all public lectures under the auspices of the University will be furnished by the Secretary.

## THE LIBRARY

JAMES H. CANFIELD.....*Librarian*
CHARLES A. NELSON.....*Head Reference Librarian and Editor of Library Publications*
EDWARD R. SMITH.....*Reference Librarian, Avery Library*
WILLIAM H. SWITZER.....*Law Librarian*
MARGARET VAN ZANDT.....*Supervisor, Order Department*
HARRIET B. PRESCOTT.....*Supervisor, Catalogue Department*
VLADIMIR GR. SIMKHOVITCH.....*Supervisor, Department of Serials*
FREDERIC W. ERB...*Supervisor, Loan Division of Readers' Department*
WALTER M. GILBERT.....*Supervisor, Shelf Department*

The Library is open each week day (except Thanksgiving, Christmas, Good Friday, and Independence Day) from 8.30 A.M. until 10 P.M., July–September; and until 11 P.M., October–June. All officers, students, and graduates of all colleges and departments of the University have free access to the Library and may draw books for home use.

Officers of the New York University and of the College of the City of New York are granted the same Library privileges as are extended to graduates of Columbia University.

Persons not connected with the University, who are responsibly introduced to the Librarian, are given the privilege of using the Library in the building.

A reference library of about 10,000 volumes of carefully selected reference books and of the most important works on all subjects, in standard editions, representing the leading authors in all literatures, is placed in the general reading-room, directly accessible to all readers.

Connected with the stacks in which are stored the books relating especially to Philosophy, Education, Literature, and Philology, the Sociological and Economic Sciences, Public Law, and History, are eighteen special study rooms, open only to authorized readers. This arrangement is intended to give to advanced students and investigators in these fields the fullest opportunity to carry on their work by the use of a quiet room in the immediate vicinity of the literature of the subjects under consideration.

The reading-room of the Law Library occupies the middle of the north wing of the Library building, on the main floor. This is the central feature of the Law School, to which the north wing of the building is temporarily devoted.

The Avery Architectural Library is a collection of about 16,000

volumes relating to architecture and decorative art. Readers have direct access to the alcoves.

The entire Library is carefully and accurately catalogued both by authors and subjects. The catalogue is on cards accessible to readers.

The Library contains about 315,000 volumes, exclusive of unbound pamphlets and duplicates. The additions for the past five years have averaged over 18,000 volumes annually.

Among the notable special collections may be mentioned the Phœnix Library, consisting of 7000 volumes, the gift of Stephen Whitney Phœnix of the Class of 1859; the Avery Architectural Library; the Mary Queen of Scots Library, containing 400 volumes, collected and given by General J. Watts de Peyster; the collection of 1200 volumes by and about Goethe; the Immanuel Kant collection of over 600 volumes; the valuable Townsend Library of National, State, and Individual War Records; the Garden Library, deposited by the Southern Society of New York; the large and valuable library of the Holland Society of New York, including the remarkable collection of works of Grotius; and the Library of the American Mathematical Society.

## THE GYMNASIUM

WATSON L. SAVAGE, A.M., M.D. ..... *Director*
GUSTAV H. BOJUS ..... *Instructor*
G. RUPPERT SEIKEL ..... *Pianist and Assistant Instructor*
CHARLES HOLROYD ..... *Instructor in Swimming*
WILLIAM F. HILLS ..... *Secretary*
EDWARD COURTOIS ..... *Clerk*

The Gymnasium is open daily during the academic year, except on Sundays and legal holidays, from 10 A.M. to 7 P.M., Saturdays, 6 P.M. The Gymnasium is closed for the entire day only on Thanksgiving, Christmas, New Year's, and Good Friday. On all other holidays it is open from 2 to 6 P.M.

The general exercising room is apsidal in shape, and measures on its axes 168 feet by 134 feet in the clear. The ceiling is 35 feet high, and the room is well lighted and well ventilated, both naturally and artificially. The arrangement of the apparatus is such that athletic, gymnastic, and calisthenic work can go on at the same time. The running track is 11 feet wide, with ends well raised for fast running, and measures 10 laps to the mile. On a floor 22 feet above the exercising floor are rooms for fencing, boxing, and hand-ball, 1500 lockers made of steel and open wire, and 32 shower-baths. Below the exercising floor is a swimming pool, also apsidal in shape, measuring 100 feet by 50 feet on its axes. Around the pool are four large dressing and rubbing rooms, 42 individual dressing rooms of thick opaque glass, and 20 shower, needle, and tub baths. The pool contains about

200,000 gallons of water, which is filtered and, in winter, warmed. The depth is from 4 to 10 feet. On this floor is also a special training room for the crews, with separate bath and locker rooms for both the university and freshmen crews.

All men students other than students of the College of Physicians and Surgeons must pay annually a gymnasium fee of $7.00. This covers the use of the Gymnasium, a locker, and the baths during the academic year, and includes all necessary laundry service. Officers, students in the College of Physicians and Surgeons, and alumni may use the Gymnasium upon the same terms.

Every student is entitled to a physical examination by the Director. His physical measurements will be recorded; his strength tested; his heart, lungs, eyes, and ears examined; and his general health inquired into. On the basis of this examination, advice will be given as to the kind and amount of exercise best adapted to his needs.

A physical examination is required of each student to these classes upon entrance and upon completion of the required work or at the end of the second year, and of all other students taking part in athletics.

Two hours a week of work in the Gymnasium is prescribed for all members of the two lower classes in the College and the Schools of Applied Science, except special students, students holding degrees from other colleges, and students so crippled as to be unable to perform the work.

The work prescribed for these classes has been arranged with a view to instructing students in the use of the apparatus provided and giving them the largest amount of the most suitable exercise. The movements are arranged in the most approved physiological order and are designed to exercise every part of the body without exhaustion. In addition, each student in these prescribed courses is given, without extra charge, an opportunity to learn the elements of the four principal arts of self-preservation—boxing, fencing, wrestling, and swimming.

The prescribed work for freshmen and sophomores consists of (1) carefully arranged movements in classes, with musical accompaniment, free-hand exercises, and drills with dumb-bells, French wands, Indian clubs, iron wands, and chest weights; (2) progressive exercises, in graded squads, on the various heavy apparatus, such as horizontal, vaulting, and parallel bars, flying and swinging rings, German horses and bucks, ladders, tumbling, and the like; (3) gymnastic games that develop agility, coördination, and ability to think and act quickly. Students who cannot swim are also taught, in small squads. In addition, sophomores are taught the elements of boxing, fencing (cane defence), and wrestling, so that each student may know the guard for every blow, whether with fist or cane, and how to break any hold in "catch as catch can" wrestling.

In the prescribed courses students are marked upon the basis of attendance, effort, and knowledge of the subjects taught.

Optional classes, open to every member of the University, for exercises similar to those in the prescribed courses, are held every afternoon except Saturday, as follows: Monday, Wednesday, and Friday, mass exercises in light gymnastics; Tuesday and Thursday, squad exercises in elementary and advanced heavy gymnastics.

One or more of the instructors are on the floor at all times when the Gymnasium is in use.

### Rules of the Faculty Committee on Athletics

The Faculty Committee on Athletics of Columbia University have adopted the following rules applying to students and organizations engaged in or conducting the University's athletics:

RULE 1. No one shall be allowed to represent the University in any public contest, either individually or as a member of any team, unless he can satisfy the Committee that he is, and intends to be throughout the academic year, a *bona fide* member of the University, taking a full year's work.

RULE 2. No student shall be allowed to represent the University in any public athletic contest, either individually or as a member of any team, who, either before or since entering the University, shall have engaged for money in any athletic competition, whether for a stake, or a money prize, or a share of the entrance fees or admission money; or who shall have taught or engaged in any athletic exercise or sport as a means of livelihood; or who shall at any time have received for taking part in any athletic sport or contest any pecuniary gain or emolument whatever, direct or indirect, with the single exception that he may have received from his college organization, or from any permanent amateur association of which he was at the time a member, the amount by which the expenses necessarily incurred by him in representing his organization in athletic contests exceeded his ordinary expenses.

(*a*) The disqualification worked by this rule shall be held to include those students who receive or have received any emolument, direct or indirect, by reason of their connection with the so-called "Summer Teams" or "Nines," or with such athletic clubs as are not deemed to be purely amateur associations.

(*b*) This rule shall be so construed as to disqualify a student who receives from any source whatever a pecuniary gain or emolument, or position of profit, direct or indirect, in order to render it possible for him to participate in University athletics.

(*c*) No interpretation of this rule shall permit a student to receive his board free at the training table.

RULE 3. No student shall be eligible to represent the University

either individually or as a member of any team, in case he has not fully paid his share of the training table expenses of a previous team.

Rule 4. No student shall represent the University in more than one branch of sport in a single academic year, without the permission of the Committee.

Rule 5. No student shall be a member of both the Freshman and University teams without the permission of the Committee.

Rule 6. No one shall be a member of a Freshman team who has passed more than a year in any university. To be eligible, a candidate must be a member of the Freshman class of Columbia College, or of the First-year class under the Faculty of Applied Science, and in his first year of residence, or a first year special student in either of those schools, taking fifteen hours or more of registered work, at least twelve of which must be in subjects open to Freshmen or First-year students.

Rule 7. No student shall represent Columbia in intercollegiate athletics for a longer period than four years, or than four years diminished by the number of years during which he has represented any other college or university. In applying this rule to a student coming from another institution to Columbia, only those years are to be counted which are regarded as the equivalent of college years in Columbia.

Rule 8. No student of the University who has ever played in any intercollegiate contest upon a team of any other college or university shall represent the University until he has resided one calendar year at the University, and has attained in examinations upon the year's work a satisfactory standard of scholarship.

*Note*—In the foregoing rules, the term college includes:

(*a*) All institutions authorized to confer a bachelor's degree which admits to the Sophomore class of the larger universities.

(*b*) All scientific and professional schools authorized to confer an equivalent degree.

(*c*) The Military Academy at West Point and the Naval Academy at Annapolis.

Rule 9. No student, regular or special, who fails to satisfactorily perform the work of the courses taken by him, shall be eligible for any athletic team.

Rule 10. If a special student, he must take courses amounting to not less than fifteen hours per week. He must have been in the University at least one academic year, must have taken and must have completed courses amounting to at least fifteen hours per week during the preceding year, and must have passed examinations aggregating at least twelve hours in those courses when such were given. In the absence of required examinations he must file with the Secretary of the Committee a certificate from the officer in charge of his course that he has satisfactorily fulfilled its requirements.

Rule 11. If a regular student, he must have passed satisfactory ex-

aminations in at least eighty per cent. of the work for which he was registered during the preceding year or half-year.

RULE 12. From and after October 6, 1902, no student whose aggregate conditions at any time amount to more than twenty per cent. of a full year's work in the courses in which he is registered, shall be eligible for any athletic team.

RULE 13. No student who has been dropped from his class or from any school or department of the University by reason of deficiency in his studies, shall be eligible for any athletic team; nor shall any change in registration, such as from special to regular or *vice versa*, make an otherwise ineligible student eligible. Such student must complete an academic year's work and pass satisfactory examinations therein before he shall be deemed to be in good standing, unless he shall, in the meantime, have been permitted by the Faculty to regain his class.

RULE 14. No student who by reason of probation or of deficiency in his studies is debarred from playing on a University team shall become eligible by a change in his registration until he has passed one full academic year in the University under such new registration.

RULE 15. No one shall be eligible to represent the University in any athletic contest or to participate in or go into training therefor unless he has since the 1st of September preceding (1) passed a physical examination satisfactory to the Director of the Gymnasium and (2) filled out and filed with the Secretary of the Committee its prescribed registration blank, and received its approval.

RULE 16. So far as possible all public athletic contests shall take place on the grounds of the contestants. Exceptional cases will be dealt with on their merits by the Committee.

RULE 17. No schedule of match games, races, or athletic exhibitions, arranged by any athletic organization, shall take effect until it has been approved by the Committee; and no game shall be played unless it has been thus approved.

Faculty Committee on Athletics
JAMES F. KEMP, *Chairman.*
GEORGE EDWARD WOODBERRY.
GEORGE W. KIRCHWEY.
W. L. SAVAGE, M.D., *Secretary.*

## PUBLIC WORSHIP AND RELIGIOUS WORK

A service is held every week day, except Saturday, in the temporary chapel, Room 305, Schermerhorn, at 9.10 A.M. This hour, though early for those who live at a distance, has been found the most convenient, all things considered. The service lasts fifteen minutes, in which time there are singing, reading the Scriptures, prayers, and an address by the Chaplain or some other officer of the University. Attendance is wholly voluntary. All officers and students of the

University are invited to attend, and those who profess and call themselves Christians are expected to give support to the services by their occasional presence.

Religious work accompanies religious worship. The Chaplain spends his morning hours in his office, where at stated times he is glad to welcome any student who may wish to confer with him.

### Earl Hall

Earl Hall, erected and equipped as a gift of a friend of the University, is entirely devoted to the ethical and religious life of the University. On the ground floor are large and inviting rooms for women graduate students, a suite of living rooms for the Secretary of Earl Hall, a large room for Bible classes and other similar organizations, and a committee room. The first floor, reached by a fine approach through a heavily columned portico, contains a general reception and social room, the office of the Secretary, two class rooms or committee rooms, a small auditorium, and a large and well-equipped reading room. On the second floor is a special reference library for students of mission work, a small social room, and the large auditorium. The Hall is open, without expense, to all students of the University, and its occupancy and work are under the general control of a Committee of Officers and Alumni, and under the direct management of the Secretary of Earl Hall, who is also Secretary of the University Young Men's Christian Association.

## DEPARTMENTS OF INSTRUCTION

When an announced course has not been applied for by at least three students, candidates for a degree, the instructor shall be at liberty to withdraw the course.

The number of hours, unless otherwise specified, indicates the number of hours a week for the entire year.

### Anatomy

GEORGE SUMNER HUNTINGTON, M.D. ..... *Professor*
BERN BUDD GALLAUDET, M.D. ..... *Demonstrator*
CARLTON PHILIPS FLINT, M.D. ..... *Assistant Demonstrator*
HOWARD D. COLLINS, M.D. ..... *Assistant Demonstrator*
C. C. CARMALT, M.D. ..... *Assistant Demonstrator*
ARTHUR S. VOSBURGH, M.D. ..... *Assistant Demonstrator*
HENRY E. HALE, M.D. ..... *Assistant Demonstrator and Alumni Association Fellow in Anatomy*
ADRIAN VAN SINDEREN LAMBERT, M.D. ..... *Assistant Demonstrator*
ROLFE FLOYD, M.D. ..... *Assistant Demonstrator*
EUGENE HILLHOUSE POOL, M.D. ..... *Assistant Demonstrator*

Courses **2, 3, 4,** and **5** are required in the first year of candidates for the degree of M.D. The four courses together may be elected by seniors in Columbia College.

Courses **1, 6, 7, 8,** and **9** are required in the second year of candidates for the degree of M.D.

Courses **10** and **11** may be offered as a major or minor for the degree of A.M. or Ph.D. according to special arrangement with the head of the department. They are optional for qualified candidates for the degree of M.D.

Courses **12–23** may be offered each as a minor for the degree of A.M. They are optional for candidates for the degree of M.D., and are open to post-graduate students in medicine.

Course **24** cannot be counted for a degree. It is open to teachers and qualified graduate students.

None of the courses of the department of Anatomy are open to women.

### Courses

1—Vertebrate morphology—Anatomy of the body cavities—Visceral and topographical course—Thorax and abdomen. Lectures combined with demonstrations. 3 hours. Professor HUNTINGTON

2—Demonstrations to sections of the class—Cranial osteology; syndesmology, myology, peripheral nervous system, and angeiology of the head and neck. 1 hour. Dr. LAMBERT

3—Demonstrations to sections of the class—Osteology, syndesmology, myology, peripheral nervous system, and angeiology of the extremities. 2 hours. Drs. CARMALT and VOSBURGH

These courses are so arranged as to maintain, with reference to the subjects treated, a direct connection with the laboratory course in dissection, No. 5.

5—Laboratory course—Dissection of the human body. 18 to 20 hours a week, at various hours, for from 3 to 5 periods of 4 weeks each. Professor HUNTINGTON, Dr. GALLAUDET, and the ASSISTANT DEMONSTRATORS OF ANATOMY

6—Laboratory course—Dissection of the human body. 10 to 12 hours a week for from 6 to 11 weeks. Professor HUNTINGTON, Dr. GALLAUDET, and the ASSISTANT DEMONSTRATORS OF ANATOMY

7—Demonstrations to sections of the class—Anatomy of the mouth, pharynx, and larynx—The auditory apparatus—The central nervous system. 3 hours. Dr. GALLAUDET

8—Demonstrations to sections of the class—Visceral anatomy. This course preserves an organic connection with Course 1, and presents for direct examination and demonstration the preparations serving to illustrate that course. 2 hours. Dr. FLOYD

9—Demonstrations to sections of the class—Anatomy of the cranial nerves. 1 hour for one half-year. Dr. FLINT

10—Laboratory courses in animal morphology. No specified number of hours a week. Professor HUNTINGTON

### Research

11—The laboratory of animal morphology is open for research, under the direction of the professor, to advanced workers. Professor HUNTINGTON

12—Comparative morphology of the carpus—A comparative study of the carpus in vertebrates above fishes, with especial reference to the homologies of the components, their evolution and significance, and their mutual relations in amphibia, reptiles, birds, and mammals. Professor HUNTINGTON and Dr. FLOYD

13—Comparative morphology of the respiratory apparatus in mammalia, sauropsida, and batrachia—Evolution of the composite mammalian lung from the air-sac—Morphology of mammalian bronchial tree—Construction of terminal branches and end spaces—Skeletal and other modifications of the respiratory apparatus in birds. Professor HUNTINGTON and Dr. FLOYD

14—Comparative morphology of the central nervous system—Demonstration and laboratory course—Detailed work in brain of cod, frog, turtle, bird, and mammal. Professor HUNTINGTON and Dr. FLOYD

15—Comparative myology. (*a*) Appendicular muscles. (*b*) Ventro-appendicular muscles. (*c*) Muscles of the foot. Professor HUNTINGTON and Dr. FLOYD

16—Human and comparative morphology of the auditory apparatus. Professor HUNTINGTON and Dr. FLOYD

17—Comparative morphology of the upper respiratory passages, nares, larynx, epiglottis, syrinx. Professor HUNTINGTON and Dr. FLOYD

18—Comparative morphology of the uro-genital system. Professor HUNTINGTON and Dr. FLOYD

19—Cranial topography. Professor HUNTINGTON and Dr. FLOYD

This course is designed for advanced students possessing a knowledge of the gross morphology of the human brain.

Pre-requisite: Course 7 or its equivalent.

20—Comparative morphology of the heart and vascular system—Development and modification of the venous system in vertebrates. Professor HUNTINGTON and Dr. FLOYD

21—Comparative morphology of the alimentary tract and digestive glands—Anatomy of the peritoneum. Professor HUNTINGTON and Dr. FLOYD

22—Comparative morphology of the cæcum and ileo-colic junction in vertebrates—Detailed study of the modification of the structures and their vascular and serous relations. Professor HUNTINGTON and Dr. FLOYD

23—Topography of the pelvic viscera, muscles, and fasciæ. Professor HUNTINGTON and Dr. FLOYD

24—Anatomical technology and museum methods. Professor HUNTINGTON and Dr. FLOYD

In all courses offered in morphology the work is designed to be laboratory exercises of at least two continuous hours' duration, at any one exercise, supplemented in certain courses by demonstration and study of material contained in the Museum of Human and Comparative Anatomy and in the study collections of the department.

The time required for the above courses, if offered as minors for the degree of A.M. or Ph.D., or if taken as optionals, is half a day per week from October to April.

The demands on laboratory space and teaching force render it necessary to limit the number of candidates admitted to these courses.

A series of university lectures and demonstrations based on the material contained in the morphological museum is given annually.

These lectures are incorporated in Course 1, and deal with the comparative anatomy of the circulatory, respiratory, alimentary, and urogenital systems of vertebrates, together with certain portions of the skeletons, as the pectoral and pelvic girdles. The lectures are open to students under the Faculty of Pure Science. Details of subjects and dates will be furnished on application to the department.

### Fellowships

For the fellowships open to persons desiring to do special work under the professor of anatomy, see page 38.

### Anatomical Laboratories

The laboratory facilities of the department of Anatomy are very complete. The large general dissecting-room accommodates from 390 to 546 students at a time, working in groups of five or seven, respectively, at one table.

The plant for the production of artificial cold by the anhydrous ammonia process has enabled the department, through the means offered for the indefinite preservation of fresh subjects by the cold-storage system, greatly to increase the amount of material available for laboratory work; and has also rendered it possible so to regulate the temperature of the general laboratory that the work can be carried on without difficulty during the warmer months at the beginning and close of the academic year.

The laboratory for advanced morphological research occupies the third story of the new anatomical building. Every facility for advanced and research work in morphology is here extended. The established connections of the department furnish abundant human and comparative material, both mature and embryonal. The private library of the professor of anatomy is at the disposal of advanced workers.

### Museum of Human and Comparative Anatomy

Much work has been done in the formation of a Museum of Human and Comparative Anatomy, the ultimate design of which is to present, in as complete a manner as possible, a view of the evolution of the forms of animal life, and of their natural relations, both in series of natural groups, and in the comparative and relative position of organs and

systems. Even the approximate attainment of this aim will require much time and work, but sufficient progress has been made to enable the department to offer great facilities for study and research. The collection, both as regards groups and the individual preparations, is designed for the illustration of both elementary and advanced courses, and is largely used in the instruction of the medical undergraduates and in advanced study and research. The new anatomical building provides the opportunity for the further development of this invaluable portion of the departmental equipment. The first and second stories of the new building are devoted to the morphological museum, and it is hoped that in the space thus provided the continued development of scientific anatomy, both for purposes of undergraduate instruction and of advanced research, will steadily proceed.

In addition to the museum collection proper the department is constantly adding to a large collection for advanced study and research.

A study-collection of human osteological preparations is so administered as to enable every student to take out the different osteological series and retain them for private study as long as required.

## Anthropology

(See page 154)

## Architecture

WILLIAM R. WARE, LL.D. ..... *Professor of Architecture*
ALFRED D. F. HAMLIN, A.M. ..... *Adjunct Professor of Architecture*
FRANK DEMPSTER SHERMAN, Ph.B. .. *Adjunct Professor of Architecture*
MAXIMILIAN K. KRESS, A.M. ..... *Curator and Lecturer in Architecture*
GRENVILLE T. SNELLING, S.B. .. *Instructor in Architectural Engineering*
CHARLES A. HARRIMAN ..... *Instructor in Architectural Drawing*
CHARLES P. WARREN, A.M. ..... *Tutor in Architectural Construction*
WILLIAM T. PARTRIDGE ..... *Lecturer in Architectural Design*
HENRY F. HORNBOSTEL, Ph.B. ..... *Lecturer in Architectural Design*

The first three years are given to parallel courses in drawing and design, in history and ornament, and in mathematics, architectural engineering, specifications, and building materials, with exercises in the reading of French and German text-books and the writing of English. In the second and third years there are lectures on the theory of architecture and on the decorative arts. Many of these subjects are given in alternate years, two classes taking them together. In the fourth year the students have the choice of an advanced course in history and design, or of an advanced course in scientific and practical construction.

Still more advanced courses both in design and in construction are

offered to graduates of schools of science and schools of architecture, and professional draughtsmen of mature age are received as special students, not candidates for a degree, into such courses as they are qualified to pursue.

In alternate years are awarded a travelling fellowship of the value of about $1300, established by the Trustees in recognition of the liberality of Mr. F. A. Schermerhorn to this department, and two travelling fellowships of the value of $1000 each, the gift of Mr. C. F. McKim. Every fourth year is awarded a travelling fellowship of the value of about $1000, the bequest of the late Willard B. Perkins.

Courses **1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13,** and **15** are open as electives to seniors in the College.

*For a detailed description of the work in architecture, consult the Announcement of the School of Architecture.*

### Courses

**1**—Ancient architectural history. 3 hours, first year. Mr. KRESS

[**2**—Mediæval architectural history — Byzantine, Romanesque, Gothic. 2 hours, first half-year, with reading of a French text-book by the first class and of a German text-book by the second class. 2 hours reports and criticisms, and 13 hours original research in library and drawing-room (including historical drawing **93**), second half-year. Exercises in historical design (see **15**). Every other year to the second and third classes together (alternating with **3**). Given in 1902–03. Professor WARE and Mr. KRESS]

**3**—Modern architectural history—The Renaissance, modern revivals, Oriental and American architecture. 2 hours, first half-year, with reading of a French text-book by the second class and of a German text-book by the third class. 2 hours lectures, and 13 hours research in library and drawing-room (including historical drawing **93**), second half-year. Exercises in historical design (see **15**). Every other year to the second and third classes together (alternating with **2**). Given in 1901–02. Professor HAMLIN and Mr. KRESS

**4**—The theory of architecture—In alternate years: [(**41**) The theory of form, proportion, symbolism; (**42**) the decorative arts, stained glass, mosaic, fresco. Given in 1902–03.] (**43**) The theory of color; (**44**) planning, composition, and style. Given in 1901–02. 1 hour, second and third classes together. Professor WARE

**5**—History of ancient ornament—The decorative forms of Egyptian Assyrian, Greek, and Roman art. 1 hour, first year. Professor HAMLIN

[**6**—History of mediæval ornament—Byzantine and Gothic ornament. 1 hour. Every other year to the second and third classes together (alternating with **7**). Given in 1902–03. Professor HAMLIN]

**7**—History of modern ornament—Renaissance, Oriental, and modern ornament. 1 hour. Every other year to the second and third classes together (alternating with **6**). Professor HAMLIN

**8**—The elements of architecture—The orders, etc. Eighteen plates required. 1 hour lecture, first year. Mr. PARTRIDGE

**9**—Drawing. (**91**) Architectural drawing, with brush, pencil, and pen. 13 hours, first year. Mr. HARRIMAN. (**92**) Free-hand drawing, with pencil, pen, and brush; sketching and drawing of ornament and the figure from lithographs, photographs, casts, and from the life; water colors. About two hours a week throughout four years. Professor HAMLIN, Mr. HARRIMAN, and Mr. PARTRIDGE

(**93**) Historical Drawing. **2** hours, first year. In illustration of ancient history, in connection with Course **1**. Mr. KRESS

Second and third years, 13 hours, during part of the second half-year. In alternate years: Mediæval history in connection with Course **2**. Professor WARE, Mr. KRESS, and Mr. PARTRIDGE. Modern history in connection with Course **3**. Professor HAMLIN, Mr. KRESS, and Mr. PARTRIDGE

(**94**) Sketches and measured drawings from buildings. Summer-vacation work, second and third years. Professor HAMLIN

**10**—Projections, intersections, and shades and shadows. 1 hour lecture first year. Twenty plates required. Professor SHERMAN

**11**—Perspective. 16 lectures, second year. Sixteen plates required. Professor WARE

**12**—Descriptive geometry, stereotomy (stone-cutting). 2 hours, fourth year. Twenty-four plates required. Professor SHERMAN

**13**—Specifications. (**131**) Masonry; Woodwork; Iron-work; Plumbing. The class copy a model specification and are examined upon the lectures. 2 hours, third year. 6 hours in the draughting-room every other week. Mr. WARREN. (**132**) Building materials, building-stones, artificial stones, cements, asphalts, terra-cotta. Growth and preservation of wood; paints, glass. Metals, fire-proofing. 2 hours, third year. Mr. WARREN

**14**—Architectural engineering. (**141**) Analytical geometry. The differential calculus. 3 hours, first year. (**142**) The integral calculus. Analytical mechanics: statics, elementary dynamics. 3 hours, second year. Professor SHERMAN. (**143**) Applied mechanics: 5 hours, third year. 6 hours in the draughting-room every other week. Mr. SNELLING

**15**—Architectural design. 1 hour, first year; 13 hours, first half of the second and third years. Problems in design: plans, elevations,

sections, and details. Professor WARE, Professor HAMLIN, and Mr. PARTRIDGE

In the second year the problems involve special drill in the use of the orders; in the third year in planning and composition (see 19).

In the second and third years the afternoons of the second half-year are mainly occupied by historical study; but there are also a limited number of problems in historical design (see 2 and 3).

16—Archæology. 2 hours, first year, in French. 2 hours, second year, in German (see 2 and 3). Mr. KRESS

17—Architectural essays. 1 hour, first, second, and third years. Professor WARE and Professor SHERMAN

18—Advanced architectural history. 2 hours, fourth year. Reading and writing on special topics with illustrative drawings. Professor WARE

19—Advanced architectural design—Advanced problems in planning and composition. 23 hours, fourth year. Professor HAMLIN and Mr. HORNBOSTEL

20—Advanced architectural engineering—Practical examples in applied mechanics, treated both graphically and analytically. Problems in constructive design. 15 hours, 15 hours practice, fourth year. Professor BURR, Professor WOODWARD, and Mr. SNELLING

21—Advanced architectural practice—The study of building processes. 2 hours, fourth year. Mr. WARREN.

22—University course in architectural design and practice. 30 hours. Four special problems occupying two months each. Professor WARE, Professor HAMLIN, Mr. HORNBOSTEL, Mr. SNELLING, and Mr. WARREN

23—University course in architectural engineering and practice. 30 hours. Professor BURR, Professor WOODWARD, Mr. SNELLING, and Mr. WARREN

These two university courses are open to graduates of schools of architecture and to men of like standing who are qualified to take them. They count towards the degrees of Master of Arts and Doctor of Philosophy.

Experienced draughtsmen and other properly qualified candidates are received as special students for periods of two months at a time.

### Equipment

The equipment of the department consists of about 18,000 photographs, about 900 books, a classified library of prints and plates, the Avery Architectural Library of about 13,500 volumes, a collection of MS. drawings from the *École des Beaux-Arts*, a collection of casts of architectural details from ancient and modern Roman buildings, a collection of building-stones, tools, and materials, and about 7500 lantern slides of architectural subjects. The Willard collection of architectural casts at the Metropolitan Museum is open to students every day and two evenings every week.

## Astronomy

JOHN KROM REES, E.M., Ph.D. ..... *Professor*
HAROLD JACOBY, Ph.D. ..... *Adjunct Professor*
S. ALFRED MITCHELL, Ph.D. ..... *Tutor*

For a more detailed statement in regard to the courses the inquirer is referred to the Bulletin of Information issued by the Faculties of Political Science, Philosophy, and Pure Science.

### Preliminary Statement

Courses 1, 2, 30, 31, 32, 33, are open to seniors in Columbia College who are properly qualified.

Courses 1 and 2 are open to seniors in Barnard College, and no courses at present are given separately at Barnard College.

All courses, except 30, 31, 32, 33, are open to graduate women students upon the same terms as to men.

All courses may be counted towards the degree of Master of Arts or Doctor of Philosophy.

All courses are open to auditors.

Courses 4–10 are open to candidates having the requisite previous training.

Courses 1, 2, 30, 31, 32, and 33 may be pursued by candidates for the higher degrees, who have not taken such courses in undergraduate work.

For candidates for higher degrees the pre-requisites or their equivalents are as follows:

For Course 1, Physics 1 or 4, and Mathematics 1 and 2; for Course 2, Physics 1 or 4, and Mathematics 6; for Course 30, Physics 1 or 4, Mathematics 6, and Civil Engineering 15 and 16; for Course 31, Astronomy 30; for Course 32, Astronomy 31; for Course 33, Astronomy 32; for Courses 4, 5, 6, and 8, Astronomy 1 and 2; for Course 7, Astronomy 30 to 33 (inclusive) or 4; for Course 9, Astronomy 8; for Course 10, Astronomy 1 and Mathematics 6.

Courses 1, 2, may be offered as a minor for the degree of A.M.

Courses 30, 31, may be offered as a half-minor for the degree of A.M.

Courses 32, 33, may be offered as a half-major for the degree of A.M.

First year of Courses 4, 5, 6, 7, 8, may be offered as a major for the degree of A.M.

First year of Courses 4, 5, 6, 7, 8, may be offered as a minor for the degree of Ph.D.

Full two years of Courses 4, 5, 6, may be offered as a major for the degree of Ph.D.

Courses 30, 31, are required of students in the Civil and Sanitary Engineering courses during the third year, 32 between the third and fourth years, 33 in the fourth year.

### Courses

1—General Astronomy—Historical and descriptive. 2 hours. Professor REES, assisted by Dr. MITCHELL

2—Spherical and practical astronomy—Mainly the study and use of the sextant for time and latitude determinations, and the transit instrument for time. 2 hours lectures and 2 hours observatory work. Professor REES and Dr. MITCHELL

30—Geodesy—A brief history of geodetic operations and description of theodolites, base apparatus, and other instruments used in geodetic work, including their adjustment and use. 2 hours a week for one half-year, October to February. Professor REES, assisted by Dr. MITCHELL

31—Geodesy—The applications of practical astronomy to geodetic surveying. 2 hours a week for one half-year, February to June. Professor JACOBY

32—Geodesy—Summer school in practical geodesy. Given in the field, each student making his own observations and calculations.

Six weeks of practical work from June 4 to July 15. Professor JACOBY and Dr. MITCHELL with assistants

33—Geodesy—Gives the derivation of formulæ used in the summer-school work, the adjustment of observations, and concludes with lectures on descriptive astronomy. 2 hours a week for one half-year, October to February. Professor JACOBY during October and November; and Professor REES, assisted by Dr. MITCHELL, during December and January

4—Advanced spherical and practical astronomy—Deals with the subjects of time, latitude, and longitude. 2 hours lectures and 4 hours observatory work for two years. Professor REES

5—Theoretical astronomy—Theory of comet orbits with practical applications. 1 hour, supplemented by computation, for two years. Professor JACOBY

6—Theory and method of reduction of photographic star plates—Determination of star places from photographic plates, stellar parallax, and proper motion. 1 hour, with practical work, for two years. Professor JACOBY

7—Method of least squares, with applications to astronomy and geodesy. 1 hour for one year. Professors REES and JACOBY

[8—Lectures on celestial mechanics—Elementary course. Follows the historical or chronological method. 1 hour for one year. Not given in 1902–03.]

9—[Advanced course in celestial mechanics. 1 hour for one or two years. Not given in 1902–03.]

10—Astronomical spectroscopy. 1 hour supplemented by laboratory work. Dr. MITCHELL

### Geodetic Apparatus

Base-measuring apparatus, bar and tape.

Theodolites by Wanschaff of Berlin and Saegmuller of Washington, D. C., with micrometer-microscopes reading to a second of arc.

Sextants, reflecting circles, barometers, etc.

### Astronomical Observatory

The astronomical apparatus includes a set of portable instruments: A forty-six inch transit, by Troughton & Simms; a combined transit and zenith instrument for time and latitude determination; an equatorial of five inches aperture, to which is attached a spectroscope with the dispersive power of twelve flint-glass prisms of fifty-five degrees, by Alvan Clark; also a diffraction spectroscope with grating, by the late L. M. Rutherfurd. The department has two Repsold measuring machines for photographic work. Especial facilities are afforded for graduate work on photographic star plates (see Course 6).

A Wanschaff zenith telescope has been set up in a separate building and is used in making observations for variation of latitude and the constant of aberration.

By the gift of Mr. Rutherfurd there were added in 1883 to the equipment: (1) An equatorial with object glass thirteen inches in diameter (not mounted at present), supplied with a correcting lens for photographic work; with this instrument belong two micrometers for position measurements. (2) A transit instrument three inches aperture by Stackpole & Brother. (3) A Dent clock. (4) A micrometer for measuring photographic plates, and sundry other pieces of apparatus. The observatory has a fine break-circuit clock by Howard & Co., also chronographs by Fauth & Co. and Warner & Swazey, a personal-equation machine, several chronometers, etc.

The Library of the University is well supplied with the books relating to astronomy and geodesy, and is especially complete as to star catalogues.

## Botany

LUCIEN MARCUS UNDERWOOD, Ph.D. ..... *Professor*
NATHANIEL LORD BRITTON, Ph.D. ..... *Emeritus Professor*
FRANCIS ERNEST LLOYD, A.M. ... *Adjunct Professor (Teachers College)*
CARLTON CLARENCE CURTIS, Ph.D. ..... *Tutor*
ALEXANDER PIERCE ANDERSON, Ph.D. ..... *Curator*
† HERBERT MAULE RICHARDS, Sc.D. ..... *Instructor*
† LOUISE BRISBIN DUNN, A.M. ..... *Tutor*
† ADA WATTERSON, A.M. ..... *Assistant*

† On Barnard College Foundation.

Certain graduate courses at the New York Botanical Garden are also given, either wholly or in part, by the following members of the Garden Staff:

DANIEL TREMBLY MACDOUGAL, Ph.D.....*Director of the Laboratories*
JOHN KUNKEL SMALL, Ph.D.....*Curator of the Museums*
PER AXEL RYDBERG, Ph.D.....*Assistant Curator*
ARTHUR HOLLICK, Ph.D.....*Assistant Curator*
MARSHALL AVERY HOWE, Ph.D.....*Assistant Curator*
FRANKLIN SUMNER EARLE.....*Assistant Curator*
GEORGE VALENTINE NASH.....*Curator of the Plantations*

Partial courses are also given by:

ELIZABETH GERTRUDE BRITTON
EDWARD SANDFORD BURGESS, Ph.D.

The courses in Botany are arranged with the intention of giving a broad general knowledge of the subject during the first year, and permitting some degree of choice during the second year; for those who continue the work as a graduate subject, the widest possible range of courses is open to the student's choice. Course 1 can be elected by any student who has reached the sophomore year, and if the subject be pursued consecutively for three years, the candidate will be ready to enter upon research work as a major subject. Two years would be sufficient for this preparation if the candidate elected two courses in Botany during the second year. Courses 1–4, or their equivalent, together with Course 5 or Course 7, according as the trend is toward morphology or physiology, form the necessary preparation for commencing a major subject in Botany. Course 1, with any two additional courses or an equivalent, will be required as the necessary preparation for commencing a minor subject in Botany. Minor graduate courses will be arranged after conference with the head of the department.

Auditors will be admitted to any courses for which they may be prepared.

Courses 9–31 are primarily for graduate students; all are open to women.

Courses 9, 10, 11, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 31, may be taken as major work for A.M.

Course 3 combined with Course 7, or a proportionate amount of work in Courses 9, 10, 16, 18, 19, 20, 22, 23, 24, 25, may be taken as minor work for A.M.

Courses 12, 13, 14, 15, 27, 28, 29, and 30 may be taken as major work for Ph.D.

Any two of the Courses 9, 10, 11, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 31, or a proportionate amount of work in Courses 12, 13, 14, 27, 28, 30,

may be taken as minor for Ph.D. In some cases the accomplishment of an approved piece of research may be offered as a minor for Ph.D.

Course 1 or its equivalent is pre-requisite for all succeeding courses, except course 8.

Course 2 is pre-requisite for Courses 5, 9, 14, 21, 26, 30, 31.

Course 3 is pre-requisite for Courses 11, 12, 16, 17, 27, 28, 30.

Course 4 or its equivalent is pre-requisite for Courses 9 (if offered as a major for A.M.), 10, 14 (if subject chosen is a group of cryptogams), 18, 19, 20, 22, 23, 24, 25, 30.

Course 5 is a pre-requisite for Courses 9 (if offered as a major for A.M.), 11, 13, 18, 19, 20, 21, 30.

Course 7 is a pre-requisite for Courses 12, 16, 17, 27, 28, 30.

Course 8 is required of first-year students in Civil Engineering and Mining Engineering.

Graduate students preparing for the profession of teaching are expected to take Education 12 at some time during their course of study.

### Courses

1—Elementary botany—The general biological features of plants and the outlines of the evolution of plant types are considered; special attention being given to the significance of morphological characters and the forces operative in their development. 2 lectures and 4 hours laboratory work a week, counting as a 4-hour course. Dr. CURTIS

Open to those who have reached the sophomore year.

2—Comparative morphology of plants—Involving field work on adaptation of structure to physical conditions. 2 laboratory sessions a week, first half-year. Dr. CURTIS

3—Plant physiology—A course in experimental physiology supplemented by selected readings and conferences. 2 laboratory sessions a week, first half-year. Dr. CURTIS

NOTE.—In this and other courses in vegetable physiology the nature of the work occasionally requires attendance at the laboratory at unusual times.

4—General morphology of cryptogams—Detailed study of some group or groups of the lower plants. 2 laboratory sessions a week, second half-year. Dr. ANDERSON. This course naturally follows Course 2, to complete an elective for the year.

5—Botanical problems—Illustrating advanced methods of fixing, imbedding, sectioning, and staining. 2 laboratory sessions a week, second half-year. Dr. CURTIS

6—Economic botany—Study of plants useful to man as food, medicine, timber, and fibre. 2 hours lecture, or the equivalent in the laboratory. Professor UNDERWOOD

7—Plant physiology—A continuation of Course 3. 2 laboratory sessions a week, second half-year. Dr. CURTIS

8—Lectures on general botany—A brief systematic study of plant structure and function, and the characters and relations of the leading groups of plants. 1 lecture, assigned reading and laboratory work, first half-year. Professor UNDERWOOD and Dr. ANDERSON

9—Taxonomy of spermatophyta—Study of the principal families and general field and laboratory work. Not less than ten hours a week for one year. Professor BRITTON, Dr. SMALL, Dr. RYDBERG

10—Morphology of fungi—Study of the structure, polymorphism, and development of the fungi, including culture methods. Field and laboratory work. Not less than ten hours a week for one year. Professor UNDERWOOD, Mr. EARLE

11—Experimental morphology—A study of the variation of form and structure, and the determination of the causes. Not less than ten hours a week for one year. Dr. MACDOUGAL, Professor LLOYD

12—General physiology—Problems in absorption, excretion, nutrition, and transformation of energy, growth, the general irritable organization of the plant, and the mechanism of its movements. Laboratory. Not less than ten hours a week for three years. Dr. CURTIS, Dr. MACDOUGAL

13—Embryology of spermatophyta—Comparative embryology of special groups. Special embryological problems. Technique. Not less than ten hours a week for three years; or, with special work during two summers, two years. Professor LLOYD

14—Special taxonomy—Critical study of a family or genus of plants of not less than fifty species. The group may be chosen from the entire range of the vegetable world. Field, herbarium, laboratory, and garden work. Not less than ten hours a week for two years, with field work during two seasons. Directed, according to the group chosen, by Professor UNDERWOOD, Dr. HOWE, Professor BRITTON, Dr. SMALL, Dr. RYDBERG, Mr. NASH, Professor BURGESS, Mrs. BRITTON

15—Regional botany—Collection, determination, and comparative study of the plants of some restricted area. Field, herbarium, and laboratory work. Not less than ten hours a week for two years, including field work during two seasons. Professor UNDERWOOD, Professor BRITTON. This course requires a previous experience of at least three years in botany.

16—Physiology of the cell—Problems in the chemical and the physical properties, movements and irritability of unicellular and other generalized organisms. Laboratory. Not less than ten hours a week for one year. Dr. MACDOUGAL

17—Ecology—Plants studied in relation to their environment and the problems of evolution involved. Field and laboratory work; conferences. Not less than ten hours a week for one year. Professor LLOYD

18—Morphology of algæ—Study of the structure and development of algæ. Field and laboratory work. Not less than ten hours a week for one year. Dr. HOWE

19—Morphology of bryophyta—Study of the structure and development of the musci and hepaticæ. Field and laboratory work. Not less than ten hours a week for one year. Professor UNDERWOOD, Mrs. BRITTON

20—Morphology of pteridophyta—Study of the structure and development of the ferns and fern-allies. Field and laboratory work. Not less than ten hours a week for one year. Professor UNDERWOOD

21—Morphology of spermatophyta—Study of the structure and development of the flowering plants. Field and laboratory work. Not less than ten hours a week for one year. Dr. RYDBERG

22—Taxonomy of algæ—Study of the diagnostic characters and relationships of the principal families and genera. Field and laboratory work. Not less than ten hours a week for one year. Dr. HOWE

23—Taxonomy of fungi—Study of the diagnostic characters and relationships of the principal families and genera. Field and laboratory work. Not less than ten hours a week for one year. Professor UNDERWOOD, Mr. EARLE

24—Taxonomy of bryophyta—Study of the diagnostic characters and relationships of the principal families and genera. Field and laboratory work. Not less than ten hours a week for one year. Professor UNDERWOOD, Mrs. BRITTON

25—Taxonomy of pteridophyta—Study of the diagnostic characters and relationships of the principal families and genera. Field and laboratory work. Not less than ten hours a week for one year. Professor UNDERWOOD

26—Taxonomy of gramineæ—Study of the diagnostic characters and relationships of the principal genera. Field and laboratory work. Not less than ten hours a week for one year. Mr. NASH

27—Physiology of nutrition—Treated from a chemical standpoint. Not less than ten hours a week for three years. Dr. RICHARDS

28—Ecological physiology—Problems in adaptive reactions in form, structure, and movements to external energy and environmental factors. Field and laboratory work. Not less than ten hours a week for three years. Dr. MACDOUGAL, Dr. CURTIS

29—Physiological anatomy—Problems in the relationships of tissues and functions. Laboratory work. Not less than ten hours a week for three years. Dr. CURTIS

30—General plant pathology—Study of diseases caused by parasitic fungi and bacteria with special attention to the morphology of the pathological organism. Also problems in immunity, and effects

of unfavorable environment. Field and laboratory work for two years including two summers in the field. Mr. EARLE and Dr. ANDERSON

31—Developmental taxonomy—Fossil ancestors of some family of plants. Comparative study of form and structure. Laboratory and museum. Not less than ten hours a week for one year. Dr. HOLLICK

(For courses in Palæobotany, see Geology.)

## Equipment

he department of Botany occupies the third floor of Schermerhorn and the laboratories and lecture-rooms are thoroughly equipped for undergraduate work. A large general laboratory, lecture-room, and morphological and physiological laboratories are supplied with modern instruments for instruction and experiment. A sufficient number of standard botanical works and serials on the subject are reserved for students' use in the general laboratory.

By the agreement entered into between the University and the New York Botanical Garden, all the botanical collections and library of the University (except such works as are needed in the undergraduate work) have been deposited in the museum of the Botanical Garden at Bronx Park; the Garden on its part supplies all needed facilities for research. This combination of forces not only places the department of Botany within reach of material equipment and collections not before available, but opens up facilities for advanced work under conditions that are not excelled.

The museum of the New York Botanical Garden is located in Bronx Park, near the Bronx Park Station of the Harlem Division of the N.Y.C. & H.R.R.R., and its entire upper floor is devoted to research. The physiological and morphological laboratories occupy the western end, and the taxonomic laboratories and herbarium the eastern end. The present floor space for the laboratories, library, and herbarium amounts to 19,000 square feet, in addition to which some space is afforded for special purposes on the basement floor. The laboratories include a suite of fourteen rooms, giving separate facilities for work in the main divisions of the subject. The equipment includes a supply of the apparatus necessary for research. Among the special features provided are to be mentioned the dark rooms, photographic operating and balance room, constant-temperature chambers, and sky-lighted apartment for living plants which is furnished with a suitable aquarium. Ample opportunity for experimental work is afforded by the open-air plantations and extensive horticultural houses.

The Columbia herbarium and the equally extensive collections of the New York Botanical Garden are housed in the large room in the east wing of the Botanical Museum. The entire aggregation of collections available for students is exceptionally full in every group of plants from slime moulds to composites.

The portion of the University Library classified under Botany is deposited in the library stack-room of the Museum building, where it can be consulted in connection with the extensive supplementary collection now owned by the New York Botanical Garden. The University Library now contains about 5000 bound volumes pertaining to Botany, together with about 4000 pamphlets and extracts; the Garden library supplements this by nearly 5000 volumes. These numbers, however, do not represent the whole reference strength of the collection, for all general works, scientific journals, and the publications of general scientific societies are shelved in the main Library of the University. All the regularly published journals devoted to Botany proper (about seventy-five) are received and the sets of all except one or two minor publications are complete.

Two series of publications are issued from the department: a quarto series known as the *Memoirs of the Department of Botany*, of which two volumes have been published; and the *Contributions from the Department of Botany*, in octavo, which have nearly completed the eighth volume.

## Chemistry

CHARLES F. CHANDLER, M.D., Ph.D., LL.D., D.Sc. . . . . *Professor of Chemistry*

CHARLES E. PELLEW, E.M. . . . . *Adjunct Professor of Chemistry*

EDMUND H. MILLER, Ph.D. . . . . *Adjunct Professor of Analytical Chemistry and Assaying*

MARSTON TAYLOR BOGERT, A.B., Ph.B. . . . . *Adjunct Professor of Organic Chemistry*

J. LIVINGSTON RUTGERS MORGAN, Ph.D. . . . . *Adjunct Professor of Physical Chemistry*

JAMES S. C. WELLS, Ph.D. . . . *Instructor in Analytical Chemistry (Qual.)*

HERMAN T. VULTÉ, Ph.D. . . . . *Instructor in Chemistry (School of Medicine)*

HENRY C. SHERMAN, Ph.D. . . . . *Instructor in Analytical Chemistry*

MARGARET E. MALTBY, Ph.D. . . *Instructor in Chemistry Barnard College*

LOUIS H. LAUDY, Ph.D. . . . . *Tutor in Chemistry*

MILTON C. WHITAKER, M.S. . . . . *Tutor in Chemistry*

SAMUEL A. TUCKER, Ph.B. . . . . *Tutor in Industrial Chemistry*

GEORGE A. GOODELL, A.M. . . . *Tutor in Chemistry (School of Medicine)*

CAVALIER HARGRAVE JOUËT, Ph.D. . . . . *Tutor in Analytical Chemistry*

WILLIAM C. UHLIG, B.S. . . . *Assistant in Chemistry (School of Medicine)*

WOLFRAM E. DREYFUS, Ph.D. . . . . *Assistant in Analytical Chemistry (Qual.)*

GEORGE C. HUBBARD, B.S. . *Assistant in Analytical Chemistry (Assay)*

ALFRED TINGLE, Ph.D. . . . *Assistant in Analytical Chemistry (Quant.)*

VICTOR J. CHAMBERS, Ph.D. . . . . *Assistant in Organic Chemistry and Lecturer in Chemistry (Barnard College)*

ARTHUR C. NEISH, A.B. . . . *Assistant in Analytical Chemistry (Qual.)*
ELEANOR KELLER, A.B. . . . . *Lecturer in Chemistry, Barnard College*

*For all detailed information in regard to the courses, subjects discussed, pre-requisites, etc., refer to the special Announcement of the School of Chemistry.*

None of the Courses in Chemistry given in Havemeyer Hall is open to women.

Courses **4, 17, 18, 19, 26, 27, 28, 31, 32, 33,** are open as minors for A.M.

Courses **9, 13, 16, 22,** are open as majors for A.M.

Courses **4, 13, 16, 17, 18, 22, 27, 28,** are open as minors for Ph.D.

Courses **5, 8, 14, 15, 23, 29,** are open as majors for Ph.D.

All courses except 5, 8, 13, 14, 15, 16, 18, 22, 23, 25, 28, 29, 31, 32, 33, are open to properly qualified students of Columbia College

### Courses

1—General inorganic chemistry—3 lectures and 1 recitation. Professor CHANDLER, Dr. LAUDY, Mr. WHITAKER, and Mr. TUCKER

Laboratory practice for Columbia College students in the preparation and study of the principal inorganic elements and compounds. Mr. WHITAKER

2—General inorganic chemistry—2 lectures a week. Given at the School of Medicine in West 59th Street. Professor PELLEW and Mr. UHLIG. 2 afternoon exercises in the laboratory and 2 conferences a week for half the year. Half the class during the first half-year; the other half during the second half-year. Dr. VULTÉ, Mr. GOODELL, and Mr. UHLIG

10—Advanced inorganic chemistry—2 lectures. Mr. WHITAKER

3—Elementary physical chemistry—3 hours a week in lectures and recitations, and 4 hours a week in the laboratory. Professor MORGAN

4—Advanced physical chemistry—3 hours a week in lectures and recitations throughout the year, and 1 afternoon a week in the laboratory, first half-year. Professor MORGAN

5—Physical chemistry research—2 lectures, and at least 12 hours a week in the laboratory. Professor MORGAN

7—Qualitative analysis—2 lectures or conferences a week during the first half-year, 4 lectures or conferences for chemists and metallurgists during second half-year, 2 lectures or conferences for other courses and laboratory practice. Dr. WELLS, Dr. DREYFUS, Mr. WHITAKER, and Mr. NEISH

8—The spectroscope as applied to qualitative and quantitative analysis—20 hours a week. Dr. WELLS

9—Quantitative analysis for chemists—4 hours lectures and recitations a week, and 18 hours laboratory practice. Professor MILLER and Dr. JOUËT

11—Quantitative analysis, inorganic, short course for electric engineers—2 hours lectures and recitations a week, and 70 hours laboratory practice during the first half-year. Professor MILLER and Dr. TINGLE

12—Quantitative analysis, inorganic, for mining engineers—3 lectures and recitations a week during the second half-year, with laboratory practice 18 hours a week in the second half-year. Professor MILLER and Dr. JOUËT

13—Quantitative analysis—Proximate organic and sanitary analysis for chemists. 2 lectures, 2 recitations, and laboratory practice 18 hours a week, first half-year. Dr. SHERMAN

14—Advanced inorganic analysis—2 lectures a week. Laboratory practice 3 afternoons and Saturdays during the first half-year for students taking the course in Metallurgy, and the second half-year for students in the course of Analytical Chemistry, who elect this course in place of Course 15. Professor MILLER

15—Advanced proximate organic analysis for chemists. 2 lectures a week. Laboratory practice during the second half-year, 3 afternoons and Saturdays for students in the course of analytical chemistry, who elect this course in place of Course 14. Dr. SHERMAN

19—Quantitative analysis, short course. 8 hours conferences and laboratory work. Dr. JOUËT

16—Quantitative analysis—Special methods, gravimetric, volumetric, and electrolytic. Conferences and laboratory work at least 16 hours a week. Professor MILLER

17—Assaying—Ores and metallurgical products. 2 lectures and conferences, and laboratory practice 16 hours a week during the first half-year for mining engineers and metallurgists; during the second half-year for chemists. Professor MILLER and Mr. HUBBARD

18—Special methods of assaying ores, alloys, and furnace products—Comparison of methods and determination of losses. Conferences and laboratory work at least 8 hours a week for one half-year. Professor MILLER and Mr. HUBBARD

20—Organic chemistry, elementary lecture course. 2 lectures a week. Dr. CHAMBERS

30—Organic chemistry, elementary laboratory course. 8 hours a week. Professor BOGERT and Dr. CHAMBERS

31—The chemistry of methane and its derivatives (fatty chemistry)—2 lectures and 1 recitation per week. Professor BOGERT and Dr. CHAMBERS

32—The chemistry of the carbocyclic and heterocyclic compounds (aromatic chemistry). 2 lectures and 1 recitation per week; 2 hours conferences additional per week for fourth-year students in the School

of Chemistry pursuing the organic option, and for graduates who elect the course as a minor or partial major for A.M. Professor BOGERT and Dr. CHAMBERS

33—Organic chemistry, general laboratory course—Fourth-year students in the School of Chemistry pursuing the analytical option; first half-year, 2 afternoons and Saturdays in the organic laboratory; second half-year, 2 afternoons; for those pursuing the industrial option, first half-year, 4 afternoons and Saturdays in the organic laboratory; for those pursuing the organic option, first half-year, 2 afternoons and Saturdays in the organic laboratory, second half-year every afternoon and Saturdays. Professor BOGERT and Dr. CHAMBERS

22—Advanced organic chemistry, laboratory courses—12 hours per week. Professor BOGERT

23—Advanced organic chemistry, research—Professor BOGERT

24—Industrial chemistry—general course, 3 lectures and 1 recitation a week. Professor CHANDLER and Professor PELLEW

25—Industrial chemistry, special course for chemists—3 lectures and 1 recitation for two years, one half the subject being discussed each year. Professor CHANDLER and Professor PELLEW

26—Industrial chemistry, laboratory practice for chemists—2 afternoons a week during the second half-year. Professor PELLEW and Mr. TUCKER

27—Industrial chemistry, laboratory practice for chemists—Special applications. 2 afternoons a week during the first half-year. Professor PELLEW and Mr. TUCKER

28—Industrial chemistry, laboratory practice for chemists—Special applications. 5 afternoons a week during the second half-year. Professor PELLEW and Mr. TUCKER

29—Industrial chemistry, advanced course for higher degrees—Original research. Personal instruction and laboratory work for one year. Professor PELLEW and Mr. TUCKER

### Equipment

In Havemeyer Hall the Chemical Department is provided with ample space for its museum, lecture-rooms, and laboratories, and every convenience has been provided for both the instructors and students working in the general or special courses.

There are five chemical lecture-rooms, all fully supplied with apparatus and instruments, and equipped with pneumatic troughs, gas, pressure, exhaust, and electricity. The large chemical lecture-room on the ground floor contains 316 seats. Underneath the rear of this room is situated a large storeroom for lecture apparatus, and connected with it are convenient rooms for preparing the lecture experiments.

The museum of General Inorganic and Organic Chemistry and of the Chemical Arts, a large room occupying the whole left wing of the ground floor, contains the elements and all their more important compounds; representative sets of specimens of all classes of organic compounds; materials and products illustrating the chemical arts; and numerous models, pictures, and diagrams illustrating the various branches of chemistry.

The Qualitative and General Chemistry Laboratory is equipped with one hundred and twelve desks, each divided into two sections, for use by different students, and each equipped with sink, water, gas, exhaust, and electric light. The laboratory has been entirely refurnished with sets of imported reagent bottles.

The Quantitative Laboratory is equipped with seventy-two desks, each one provided with gas, water, pressure, exhaust, and electricity, besides electric lights. Attached to the main laboratory is a large and well-equipped balance room, containing accurate balances, and special rooms which are provided with the latest and most improved apparatus for gas, water, food, and electrolytic analysis.

The Organic Laboratory contains forty large desks, each one provided with water, gas, pressure, exhaust, and electricity. The laboratory is also provided with high- and low-pressure steam, and with special rooms for balances, pressure ovens, glass-blowing, combustions, and for advanced work in various directions. It is thoroughly equipped with all necessary apparatus and instruments, for the determination of boiling-points, melting-points, specific gravities, vapor densities, elementary analyses, and for the synthetic preparation of organic compounds.

The Laboratory of Industrial Chemistry is equipped for the instruction of students in the practical operations of chemical manufactures and chemical industries, and in the solution of various important problems in sanitary chemistry and hygiene. It is equipped for the manufacture of pure chemicals from their raw materials on an industrial scale, with fine batteries of steam evaporators, and with steam stills, centrifugals, filter presses, crushers, and the like. It includes a dyeing laboratory, supplied with a large stock of the most important natural and artificial dye-stuffs, and with all the regular equipment used in the practical testing of dyes, including a calico-printing machine. Connected with it is a photometer room, containing a new and complete outfit for the practical testing of illuminants. Among the other subjects in which practical instruction is given in this laboratory may be mentioned the filtration and purification of water and sewage, fermentation and distillation, the use of the electric furnace, and the manufacture of sugar, petroleum products, and leather.

A laboratory has been fitted up for the study of electrochemistry, provided with an electric furnace and other appliances for the pursuit of this important branch of industrial chemistry.

The Laboratory of Physical Chemistry is well equipped with the most recent apparatus adapted to a wide range of experimental work in the branches of heat, light, and electricity as applied to chemical problems.

The Assay Laboratory is provided with crucible and muffle furnaces, both gas and coal, for the fire assay of ores; also with crushing, pulverizing, and sampling machinery, balance room, storeroom, and thirty-six well-equipped working desks. It also contains all the apparatus necessary for the wet assay of silver bullion and for laboratory tests of ores.

The Chemical Laboratory in Havemeyer Hall is supplied with an extensive collection of chemical books and journals, and is open from 9.30 A.M. to 5.30 P.M., and during the session of the University from 8 to 11 P.M.

## Comparative Literature

GEORGE EDWARD WOODBERRY, A.B.....*Professor*
JOEL ELIAS SPINGARN, Ph.D.....*Tutor*
LEWIS NATHANIEL CHASE, A.M.....*Tutor*
FRANK WADLEIGH CHANDLER, Ph.D.....*Lecturer*
EDWARD BEDINGER MITCHELL, A.B.....*Assistant*

Courses **1, 2, 3, 4,** and **5** are open to students of the College; Courses **1, 2, 3,** and **4** counting three points toward the degree of A.B. and Course **5** two points. They cannot be counted toward the higher degrees, and are not open to women.

Courses **6, 7, 8, 10,** and Seminars **A, B,** and **C** are open only to graduate students, both men and women, and may all be counted toward the higher degrees. Candidates for the degree of Ph.D. in this department are required to take Courses **6, 7,** and **8** in their first year, and Seminars **A, B,** and **C** in their second year of residence.

Course **6** may be offered as a partial minor, Courses **7, 8,** and **10** as a full minor, and Seminars **A, B,** and **C** as a partial minor or major for Ph.D.

### Courses

**1**—Introduction to the study of literature: its forms, its common matter, its illustrative works. 3 hours. Professor WOODBERRY and Mr. CHASE

**2**—English literature from 1789 to the death of Tennyson, with some attention to Romanticism on the continent. 3 hours. Professor WOODBERRY

**3**—English literature from 1660 to 1789, with some attention to Classicism and the new forms of fiction on the continent. 3 hours. Mr. CHASE

**4**—English literature from the birth of Shakespeare to 1660, with some attention to the character of the Italian Renaissance. 3 hours. Professor WOODBERRY

**5**—The theory, history, and practice of criticism, with special attention to Aristotle, Boileau, Lessing, and English and later French writers, with illustrations from works of imagination. 2 hours. Professor WOODBERRY

Pre-requisite: at least two courses in the department of Comparative Literature

**6**—Studies in literature, mainly critical. 1 hour. Professor WOODBERRY

**7**—History of lyric poetry in the Middle Ages and the Renaissance. 3 hours. Dr. SPINGARN

**8**—The revival of Romanticism in the eighteenth century. 3 hours. Dr. CHANDLER

**10**—The Italian Renaissance and the diffusion of its influence throughout Europe. 3 hours. Dr. SPINGARN

Seminar **A**—Subjects for 1901–02: I. The Oriental influence in English literature from the foundation of the East India Company. II. The philosophy of literary movements, considered by means of an analysis of the evolution of form in poetic art with reference to its logical and moral conditions. 2 hours. Professor WOODBERRY

Pre-requisites: Courses **6**, **7**, and **8**.

Seminar **B**—Subject for 1901–02: The tradition of chivalry in modern literature. 2 hours. Dr. SPINGARN

Pre-requisites: Courses **6**, **7**, and **8**.

Seminar **C**—Subjects for 1901–02: I. Studies in Spanish literature, its characteristics and national traits, together with an examination of the diffusion of its influence through Europe. II. Calderon: the elements of his genius and the history of his theatre. 2 hours. Dr. CHANDLER

Pre-requisites: Courses **6**, **7**, and **8**.

### Equipment

The officers of the department have given much attention to the requirements of their courses in the matter of learned publications, the books of specialists in literary topics, the particular collections grouped about great authors, and the rarer literature of the world of letters. The general subject of literary history and criticism and the latest phases of modern scholarship are well represented in the Library, and those subjects with which the courses directly deal are represented with unusual fulness. A special effort has been made to gather beforehand the literature of subjects for research, so that there may be no delay in providing such material. In the last few years several thousand volumes have been purchased by the head of the department with

a particular view to the needs of students, and it is believed that, within the limits of study, the collections are ample; and whatever books prove to be required will be at once obtained. Substantially all periodicals of the literary or learned world are currently received, and in files of such publications, transactions of societies, and the like the Library is uncommonly rich, as well as in foreign dissertations. These are the treasuries of information for minute research. In the Library a special study room is provided for the department, in immediate communication with the books relating to its specific subject. In this room the seminars of the department are held.

### Societies

Kings Crown is an undergraduate club, intended especially for students in the College pursuing courses in the department or their friends of literary interests. It is primarily a social club, but it possesses a room and a small library of books used in the courses. It is, from time to time, addressed by distinguished men of letters, who thus cultivate a love of literature among the students and a live respect for it. The membership of the club is about one hundred and twenty-five.

The Comparative Literature Club was formed in 1899, and is partly scholarly, partly social in its nature. The want of a common meeting-ground for the graduate students has been so much felt that its social value can hardly be over-estimated; and it has proved possible to accomplish much for the department by combined effort that will turn to the advantage of all in scholarly ways.

## Dermatology

GEORGE HENRY FOX, A.M., M.D. ..... *Clinical Professor*
GEORGE THOMAS JACKSON, M.D. ..... *Chief of Clinic and Instructor*
JOHN CABOT, M.D. ..... *Clinical Assistant*
JOHN H. P. HODGSON, M.D. ..... *Clinical Assistant*
JOHN ALDRICH, M.D. ..... *Clinical Assistant*
CHARLES T. DADE, M.D. ..... *Clinical Assistant*

### Courses

1—Clinical lectures at the Vanderbilt Clinic upon the diseases of the skin. 1 hour. Professor FOX

Required, in the fourth year, of candidates for the degree of M.D.

2—Practical instruction at the Vanderbilt Clinic in the diagnosis and treatment of the diseases of the skin. 10 lessons for each student. Dr. JACKSON

Required, in the fourth year, of candidates for the degree of M.D.

## Diseases of Children

ABRAHAM JACOBI, M.D., LL.D. ..... *Professor*
FRANCIS HUBER, M.D. ..... *Chief of Clinic and Instructor*
JOSEPH HUBER, M.D. ..... *Clinical Assistant*
FERDINAND S. MACHALE, M.D. ..... *Clinical Assistant*
LOUIS M. SILVER, M.D. ..... *Clinical Assistant*
ALBERT F. BRUGMAN, M.D. ..... *Clinical Assistant*
BERNARD SOUR, M.D. ..... *Clinical Assistant*

### Courses

1—Clinical lectures at the Vanderbilt Clinic upon the diseases of children. 1 hour. Wednesday at 2 P.M. Professor JACOBI

Required, in the fourth year, of candidates for the degree of M.D.

2—Practical instruction at the Vanderbilt Clinic in the diagnosis and treatment of the diseases of children. 10 lessons for each student. Dr. FRANCIS HUBER

Required, in the fourth year, of candidates for the degree of M.D.

3—Hospital clinic—Roosevelt Hospital, Mondays and Thursdays at 5 P.M. from October to May. Professor JACOBI

Required, in the fourth year, of candidates for the degree of M.D.

## Economics and Social Science

EDWIN R. A. SELIGMAN, LL.B., Ph.D. ..... *Professor*
FRANKLIN HENRY GIDDINGS, Ph.D., LL.D. ..... *Professor*
JOHN BATES CLARK, Ph.D., LL.D. ..... *Professor*
ARTHUR M. DAY, A.M. ..... *Instructor*
WILLIAM ZEBINA RIPLEY, Ph.D. ..... *Prize Lecturer*
GEORGE J. BAYLES, Ph.D. ..... *Prize Lecturer*
ELGIN RALSTON LOVELL GOULD, Ph.D. ..... *Lecturer*

*For more detailed statement of the scope of each course see the Announcement of the Faculty of Political Science.*

The courses offered fall into two divisions: Political Economy and Finance, and Sociology and Statistics. Economics **A** and **1** are the general introductory courses primarily intended for juniors in the College. Economics **3** and **4** are intended to give a general survey, respectively, of political economy and finance, from the historical and comparative point of view. While serving as useful courses for those intending to specialize still further in economics or sociology, they are especially recommended to those who desire to secure some knowledge of political economy as a part of a liberal education. Economics **1** to **8** will be found of especial value to law students seeking to supplement their purely legal studies. Sociology **15** and **16** are introductory courses leading up to Course **20.** Sociology **20** and **21** are the general

systematic courses laying the basis for the other courses in applied sociology. Sociology **15** to **24,** together with Economics **3, 8, 11,** and **12,** will be of value to students of theology who wish to extend their knowledge of the social problems of the day.

In addition to the regular courses, there are two seminars, organized to furnish students opportunity for special investigation and original research. Every candidate for the degree of Master of Arts or Doctor of Philosophy, taking his major subject in this department, must work in at least one of the seminars.

The allied courses in history and public law will be found extremely useful for the students of social science, because of the close inter-relations of history, law, and economics. Taken together, these courses constitute a complete scheme of political science.

Economics **A** is required of juniors in the College, and open to sophomores who have taken Economics **1.** Economics **1** is open to juniors and qualified sophomores in the College. Economics **3, 4, 11,** and **12,** and Sociology **15** and **16,** are open to seniors in the College and other candidates for the degree of Bachelor of Arts. The remaining courses are intended for university students.

### Courses in Political Economy and Finance

**A**—Outlines of economics—Recitations, lectures, and essays. 3 hours, second half-year. Professor SELIGMAN and Mr. DAY

**1**—Economic history of England and America—Selected text-books, recitations, essays, and lectures. 3 hours, first half-year. Professor SELIGMAN and Mr. DAY

**2**—Marshall's *Principles of Enonomics*—Reading, discussions, and essays. 1 hour. Professor SELIGMAN

**3**—Practical political economy—Lectures, discussions, and reading. 3 hours. Dr. GOULD

**4**—Science of finance—Lectures and private reading. 2 hours. Professor SELIGMAN

**5**—Fiscal and industrial history of the United States—Lectures and private reading. 2 hours, first half-year. Professor SELIGMAN

**7**—Railroad problems, economic, social, and legal—Lectures and private reading. 2 hours, second half-year. Professor SELIGMAN

[**8**—History of political economy—Lectures, discussions, and readings. 2 hours. Professor SELIGMAN. Omitted in 1901–02.]

**9**—Economic theory I—The static laws of distribution—Lectures and private reading. 2 hours, first half-year. Professor CLARK

**10**—Economic theory II—The dynamic laws of distribution—Lectures and private reading. 2 hours, second half-year. Professor CLARK

11—Communistic and socialistic theories—Lectures and private reading. 2 hours, first half-year. Professor CLARK

12—Theories of social reform—Lectures and private reading. 2 hours, second half-year. Professor CLARK

14—Seminar in political economy and finance—For advanced students. 2 hours. Professors SELIGMAN and CLARK.

### Courses in Sociology and Statistics

15—Principles of sociology—Recitations, lectures, and collateral reading. 2 hours. Professor GIDDINGS

16—Racial demography—Lectures and private reading. 2 hours. second half-year. Dr. RIPLEY

17—Statistics and sociology—Lectures, illustrations, and private reading. 2 hours, first half-year. Professor GIDDINGS

Given in 1902–03 as Course 23.

[18—Statistics and economics—Lectures and private reading. 2 hours, second half-year. ———— Omitted 1901–02.]

19—Theory of statistics—Lectures and private reading. 1 hour. Professor GIDDINGS

In connection with Courses 23 and 30.

20—Social evolution—Lectures and private reading. 2 hours, first half-year. Professor GIDDINGS

21—Progress and democracy—Lectures and private reading. 2 hours, second half-year. Professor GIDDINGS

22—Pauperism, poor laws, and charities—Lectures and private reading. 2 hours, first half-year. Professor GIDDINGS

23—Crime and penology—Lectures and private reading. 2 hours, second half-year. Professor GIDDINGS

Combined in 1901–02 with Course 22.

24—Civil aspects of ecclesiastical organization—Lectures and private reading. 1 hour. Dr. BAYLES

[29—Laboratory work in statistics—Exercises in analyzing, criticising, and tabulating statistics; in connection with Courses 17, 18, and 19. 2 hours, bi-weekly. ———— Omitted in 1901–02.]

30—Seminar in sociology—2 hours, bi-weekly. Professor GIDDINGS

### Equipment

The Library facilities are unexcelled. Every journal of importance, American or foreign, dealing with economics or social science, is taken regularly by the Library. Any book needed by advanced students can usually be bought at once. The special library of history and political science alone comprises more than seventy thousand volumes.

Students of economics and social science will find New York to be a

centre of library facilities unrivalled elsewhere in this country. In addition to the University Library, there are rich treasures at the New York Public Library on the Astor, Lenox, and Tilden foundation, New York Historical Library, Long Island Historical Library, Library of the Charity Organization Society, the Bar Association Library, and the Law Institute Library, to each of which students have access under favorable conditions. Advanced students also have at their disposal the library of the Professor of Political Economy and Finance, which contains the most complete collection of works on economics to be found in the United States.

The facilities offered to students of sociology include a large library of general and special works, and unusual opportunities for field work. A generous gift for works on sociology has provided a very complete equipment of publications on sociological theory, the history of the family, pauperism, crime, and penology. Arrangements have been made with the Charity Organization Society, the State Charities Aid Association, the University Settlement, the East-Side House, and the Brooklyn Bureau of Charities by which students can become fully acquainted with actual work among the people and with the most perfect methods.

## Education

(See page 154)

## Electrical Engineering

(See page 93)

# ENGINEERING

## Civil Engineering

WILLIAM HUBERT BURR, C.E. ..... *Professor*
EARL BRINK LOVELL, C.E. ..... *Adjunct Professor*
ADOLPH BLACK, C.E. ..... *Instructor*
MYRON SAMUEL FALK, C.E., M.E. ..... *Tutor*
RICHARD ERWIN DOUGHERTY, C.E. ..... *Assistant*

*A complete, detailed statement of all the subjects covered by this course of study, both those given in the Department of Civil Engineering and in other departments of the University, will be found in the Announcement of the Courses in Civil Engineering, which will be supplied, without cost, on application to the Secretary of the University.*

### Courses

1—Surveying—2 hours, second half, first year. Professor LOVELL and Mr. DOUGHERTY

2—Road engineering—2 hours, first half, second year. Mr. FALK

3—Water supply and irrigation—2 hours second half, second year. Professor LOVELL

4—Masonry structures—1 hour, third year. Professor LOVELL and Mr. FALK

5—Resistance of materials—3 hours, first half, third year; 2 hours, second half, third year. Professor BURR, Professor LOVELL, and Mr. DOUGHERTY

6—Graphic statics—2 hours, second half, third year. Mr. BLACK

7—Theory of trusses—2 hours, second half, third year. Mr. FALK

8—Sewage disposal—2 hours, first half, third year. Mr. BLACK

9—Railroad engineering—3 hours, latter half of first half, and all of second half, fourth year. Professor LOVELL

10—Design of bridges and buildings—2 hours, fourth year. Professor BURR and Mr. FALK

11—Foundations—2 hours, first half of fourth year. Professor BURR

12—Hydraulics—2 hours, first half of fourth year. Professor BURR and Mr. BLACK

13—Sewers and harbors—2 hours, second half of fourth year. Professor BURR and Mr. BLACK

14—Theory of railroad surveying—1 hour, second half, third year. Professor LOVELL

**The Summer Courses in Surveying**

This school is conducted during ten to twelve weeks of each summer vacation at a point in the country near Litchfield, Conn., where ample facilities are provided for all requisite operations, and where the topography is admirably adapted to the practical work of surveying. The operations at the summer school include the entire actual surveying of the department of Civil Engineering, together with such lectures, computations, and mapping as pertain to it. About six weeks' continuous attendance is required of each class between the first and second, and the second and third years, and four weeks between the third and fourth years. The school possesses an unusually full equipment of engineers' and solar transits, levels, plane tables, compasses, and all accessories and smaller instruments. A corps of special assistants for each session aid the regular officers of the school. At each session the following courses are given:

15—Surveying between the first and second years—Pacing, chaining, and ranging—Farm survey—Adjustment of instruments—Angle reading by repetition—Repetition traverse—Azimuth traverse. Daily lectures, field and office work. Professor LOVELL, Mr. BLACK, and Mr. FALK

16—Surveying between the second and third years—Levelling—Topographical survey with plane table—City surveys—Mine surveying above ground—Use of solar attachment. Daily lectures, field and office work. Professor LOVELL, Mr. BLACK, and Mr. FALK

16a—Hydrographic surveying — Triangulation — Topography on shore—Soundings—Current meter work—Computation of river or tidal discharge—Preparation of map. Professor LOVELL, Mr. BLACK, and Mr. FALK

17—Surveying between the third and fourth years—Railroad surveying—Reconnaisance—Preliminary survey—Location—Cross-sectioning—Computations—A complete survey and location of a line two to five miles long are made, with all the attendant computations requisite for placing the work under contract. Daily lectures, field and office work. Professor LOVELL

### Graduation Thesis

A satisfactory project or thesis is required of every candidate for the degree of Civil Engineer at graduation.

### Courses in Sanitary Engineering

18—Sanitary engineering of buildings—2 hours, first half, second year

19—General principles of hygiene and sanitary science—2 hours, second half, second year

20—Heating and ventilation—2 hours, fourth year

21—Drainage of country districts and towns—2 hours, second half, fourth year

### University Courses

The minor subjects in the department of Civil Engineering for the university degrees of Master of Arts and Doctor of Philosophy are the following:

5—Elasticity and resistance of materials.

22—Foundations, including theory of earth pressure (Civil Engineering 11 with additional reading).

23—Hydraulics (Civil Engineering 12 with additional reading).

24—Long-span bridges. Conferences, with reading and design work, as required.

Open to those who have taken Civil Engineering 10.

25—Elastic and masonry arches. Conferences, with reading and design work, as required.

Open to those who have taken Civil Engineering 4.

The major subjects for the same university degrees are the following:

**26**—Sanitary engineering.

**27**—Hydraulic engineering, including the hydraulics of rivers and power plants and municipal water-works.

**28**—Municipal engineering, including water-works, sewers and sewage works, streets and other public works and their administration.

**29**—The engineering of structures, including long-span bridges and deep foundations, with methods of building them, and advanced work in elasticity and resistance of materials.

### Equipment

The school possesses an unusually full equipment of engineers' and solar transits, levels, plane tables, compasses, and all accessories, as well as smaller instruments. Current meters, hook gauges, and floats of various types are also used in making observations on the flow in and discharge of rivers and canals. A complete set of sections of iron and steel shapes, models and photographs of engineering works, together with working plans of the latter, are in the department for the use of students. The hydraulic laboratory affords opportunity for the practical operations of measuring the discharge through weirs and other orifices, the flow through open channels and closed pipes, frictional and other resistances in pipes and open channels, as well as for meter gaugings, and for general hydraulic investigations. The testing work in the mechanical laboratory includes the complete tests of various structural materials in tension, compression, bending, and torsion, including the observation and digesting of all corresponding data.

A cement-testing laboratory is fully equipped with testing machines, briquette moulds, tanks, and other apparatus requisite for all classes of investigations in the nature and physical properties of cements and cement mortars. All students are required to make and test briquettes of cement and cement mortar as well as to ascertain the weight, fineness, and other physical properties of such cement, sand, and mortar, as may be assigned to them for examination.

Students taking the course of Civil Engineering enjoy the use of the laboratories in all of the departments of the University in which they pursue courses of study, and their laboratory work in those departments is identical with that of students taking courses of engineering study in the same departments.

The Physical Laboratories are located in Fayerweather. The building is supplied with all ordinary facilities, including electricity for power and light, compressed air, and steam. In addition to such facilities there are a vertical shaft, with gas, electric, and water outlets at every ten feet of height; a constant-temperature room, placed twelve feet below the surface of the ground; a platform on the roof for meteorological instruments and observations, with a recording room; an

apparatus room and a number of laboratories of various kinds. In the latter are found elaborate outfits of instruments and appliances for complete and accurate laboratory operations in all branches of physical science.

The laboratories of the department of Mechanical Engineering are available for the various kinds of laboratory work required in connection with the courses of study pursued in the department of Mechanical Engineering.

The workshops used by the students in Civil Engineering are located in the Macy Manual Arts building of the Teachers College. The locomotive laboratory, the steam and motive power engineering laboratory, the air and gas engine laboratory and hydraulic motors laboratory are all located in the large basement annex north of Engineering, and partly in Engineering and partly in the Power House. Their equipments include among other apparatus, as principal features, a triple-expansion Reynolds Allis Corliss steam-engine of 150 H. P.; a two-stage or compound steam air compressor; a De Laval steam turbine of 10 H. P.; a Wheeler surface condenser of 40 H.P. capacity; a pair of typical continuous rope drives on the American system, capable of transmitting 150 H. P.; a full-size passenger express locomotive engine of the Vauclain compound type; a duplex pumping engine of the triple-expansion low-pressure type; a second pump intended to operate against a pressure of 1500 pounds per square inch; and a third pump capable of working against a pressure of 5000 pounds per square inch.

Similarly the laboratories of the department of Electrical Engineering are available in all respects to the civil engineering students in those courses of study pursued in the department of Electrical Engineering. The electrical equipment is exceptionally complete in all the Electrical Engineering laboratories: it includes storage-battery and photometer rooms; direct- and alternating-current machinery; dynamos; stationary and railway motors; motor dynamos; complete sets of ampere and volt meters, speed indicators, transmission and absorption dynamometers, as well as complete outfits of machine and hand tools and all the various electric apparatus and appliances used in all branches of electrical engineering.

In addition to the actual equipment of the school, a great variety of large engineering works is continually in process of construction in New York City and vicinity, and the requisite steps are always taken to render them accessible to the students of the department for examination and study.

The library facilities consist of an extensive collection of foreign and domestic engineering books and periodicals, to which additions are being constantly made. The collection of engineering literature forms a part of the general Library of the University, and is constantly available for both undergraduate and post-graduate study.

## Electrical Engineering

FRANCIS B. CROCKER, E.M., Ph.D. ..... *Professor*
GEORGE FRANCIS SEVER ..... *Adjunct Professor*
FITZHUGH TOWNSEND, A.B., E.E ..... *Tutor*
ISAAC D. PARSONS, E.E ..... *Assistant*

*For full information as to the scope of the work in Electrical Engineering, students are referred to the Announcement of the Course in Electrical Engineering, which may be obtained from the Secretary of the University.*

The theoretical side of Electrical Engineering is treated in lectures delivered by Professor PUPIN of the department of Mechanics, under which head the various courses will be found. Mr. TOWNSEND assists the department of Mechanics by teaching Course **6** and part of Course **7** of that department.

See Mechanics **6, 7, 8, 9, 14, 14a, 15, 16,** and **17.**

Course **7** is required of second-year students in Electrical, Mechanical, and Civil Engineering, and is open to seniors of the College.

Courses **1, 4,** and **10** are required of third-year students in Electrical and Mechanical Engineering.

Courses **6** and **15** are required of third-year students in Electrical Engineering.

Courses **2, 8, 22,** and **23** are required of fourth-year students in Electrical and Mechanical Engineering.

Courses **3, 11, 12, 25,** and **26** are required of fourth-year students in Electrical Engineering.

Course **3** is required also of fourth-year students in Chemistry and Metallurgy.

Course **5** is required of third-year students in Civil, Sanitary, and Mining Engineering, Chemistry (**B**), and Metallurgy.

Course **24** counts as major for Ph.D.

### Courses

**1**—Dynamo and motor practice—Principles, construction, operation, and design of dynamos and electric motors. Text-books: Crocker's *Electric Lighting*, vol. i.; Sever's *Laboratory Notes*. 3 hours, first half-year. Professors CROCKER and SEVER

**2**—Electric power—Transmission and distribution of electric power, including the principles and applications of the direct-current, single-phase, and polyphase systems. 2 hours, first half-year. Professor CROCKER

**3**—Electrochemistry and electrometallurgy; including theory and applications of electrolysis and electrical heating; theory and practice of primary and secondary batteries; production, separation, and purification of chemicals and metals. 1 hour. Professor CROCKER

4—Electric lighting—The design, installation, and operation of electric-lighting systems and plants, including a discussion of each of the various elements and methods employed. Text-book: Crocker's *Electric Lighting*, vol. i. 3 hours, second half-year. Professor CROCKER

5—General electrical engineering—The principles of electrical engineering and their application to general engineering. 1 hour lecture and 1 afternoon laboratory work, second half-year. Professors CROCKER and SEVER

6—Telegraph and telephone. Text-books: Pope's *Modern Practice of the Electric Telegraph;* Webb's *Practical Telephone Hand-book.* 1 hour. Professor CROCKER

7—Elements of electrical engineering—General electrical principles, laws, measurements, and the introduction to their applications, including the elements of the dynamo. Text-book: Thompson's *Elementary Lessons in Electricity and Magnetism.* 1 hour, first half-year; 2 hours, second half-year. Professor CROCKER and Mr. TOWNSEND

8—Electric railway—The design, installation, and operation of the various systems of electric railways. 2 hours, second half-year. Professor SEVER

10—Direct-current laboratory—Practice in the use of instruments and in the operation and testing of direct-current dynamos and motors. Text-book: Sever's *Laboratory Notes.* 2 1-2 hours laboratory work. Professor SEVER

11—Alternating-current laboratory—Practice in the use of instruments and in the operation and testing of alternating-current generators, motors, and transformers. Text-book: Townsend's *Laboratory Notes.* 2 afternoons. Mr. TOWNSEND

12—Electrical-instrument laboratory. Calibration of commercial measuring instruments and advanced electrical measurements, including self-induction, capacity, and magnetic measurements. Storage battery testing, photometry of electric lamps, operation of telegraph and telephone apparatus. 3 afternoons. Mr. PARSONS

15—Design of direct-current machinery.

Original design in detail with calculations and working drawings of a specially assigned dynamo or motor. 2 hours conference and 1 afternoon in drawing-room, second half-year. Professor SEVER

22—Management of electrical plants—Economy in the design, construction, and operation of electrical stations, plants, and factories. Organization, administration, accounts, specifications, contracts, laws and insurance rules, accidents, patents, and statistics in relation to electrical work. 2 hours, second half-year. Professor CROCKER

23—Electrical distribution—Principles and methods of transmitting and distributing direct as well as alternating currents; series, parallel,

and multiple wire systems; regulation of voltage and current; transformers; meters; arc and incandescent lamps. Text-book: Crocker's *Electric Lighting*, vol. ii. 2 hours, first half-year. Professor CROCKER

**24**—Special problems and original investigations in electrical engineering. Post-graduate work under the direction of the officers of the department.

**25**—Design of alternating-current machinery—Original design of alternating-current generators, motors, transformers, etc. 1 hour, second half-year. Mr. TOWNSEND

**26**—Graduation thesis for degree of Electrical Engineer—Original work and report on a subject approved by the head of the department.

Graduates of colleges or technical schools are admitted without examination as candidates for the degree of Electrical Engineer, provided their preparatory course of study has been sufficient.

It is possible for a graduate of a high-grade mechanical or other engineering course to obtain the degree of Electrical Engineer in one year. In such a case the student must have already passed the general and mechanical subjects of the entire course. These cover practically all the work of the first and second years of the Electrical Engineering course and nearly half of the third- and fourth-year subjects. The student may, therefore, be excused from these studies and can devote himself to the electrical subjects of the third and fourth years, which as far as possible are arranged to avoid conflicts.

### Equipment

The offices, laboratories, lecture and other rooms of the Electrical Engineering department are in the south end of Engineering. In the sub-basement are located the storage-battery and photometer rooms. In the basement are situated the two machine laboratories, the larger containing the direct-current machinery, while the smaller accommodates the alternating-current apparatus.

The various machines include examples of 115- and 500-volt constant potential generators, constant-current arc-lighting dynamos, and other typical apparatus. Several types of stationary and railway motors, as well as motor-dynamos are also placed in this room. Machine and hand tools are provided in one corner of this laboratory for making and repairing apparatus, attachments, and the like. Complete sets of ampere and volt meters, speed indicators, and transmission and absorption dynamometers, are available for testing the various dynamos and motors. In the Mechanical Engineering Laboratory is placed an electric car of full size, completely equipped with motors and controlling apparatus. This is available for purposes of testing.

In the other machinery laboratory, the alternating-current apparatus is placed, including single-phase and polyphase generators, induction

and synchronous motors, rotary converters, and various types and sizes of transformers. Each alternator is driven by a separate electric motor, enabling its speed to be independently regulated. Complete sets of alternating-current-measuring instruments and curve-tracing apparatus are also provided.

On the first floor are situated the lecture-rooms which are provided with an ample supply of electrical energy of different forms, as well as gas, water, and other facilities to enable experimental demonstrations to be conveniently and effectively performed.

The museum contains cases for the collection of apparatus, models, and materials relating to Electrical Engineering. This museum adjoins the lecture-rooms so that its contents can be conveniently used for illustrating the lectures.

On the third floor are located the large instrumental laboratory, the research room, and the studies of the officers. The laboratory contains various forms of galvanometers, ampere balances, standard cells and resistances; apparatus for measuring inductance, magnetic permeability, hysteresis, and leakage; laboratory standard volt and ampere meters. The research room is used for special post-graduate and thesis work, and is fitted up according to the lines of investigation that are being followed.

A most important facility is the large and reliable supply of electric power which is afforded by the central power plant of the University. This electrical generating plant, having a total capacity of 750 H.P., and illustrating the latest and best practice in electrical engineering, furnishes current for electric lighting and for driving the motors and fans used in ventilating all of the buildings. Special conductors are also laid to convey to all the laboratories and lecture-rooms of the Electrical Engineering department an ample supply of current for experimental work.

## Mechanical Engineering

FREDERICK R. HUTTON, E.M., Ph.D. ..... *Professor*
WILLIAM LEDYARD CATHCART ..... *Adjunct Professor*
RALPH E. MAYER, C.E ..... *Instructor*
IRA H. WOOLSON, E.M ..... *Instructor*
SAMUEL O. MILLER, C.E ..... *Tutor*
FRANK E. PENDLETON, Mech.E ..... *Assistant*
THOMAS H. HARRINGTON, E.M ..... *Assistant*
ABBOT M. CREGIER, Mech. E ..... *Assistant*
CHARLES RUSSELL RICHARDS, B.S .... *Professor of Manual Training in Teachers College*
CHARLES P. BENNS, E.M ..... *Instructor in Teachers College*
CHARLES C. SLEFFEL ..... *Instructor in Teachers College*
CHARLES W. WEICK, B.S ..... *Instructor in Teachers College*

Special students are admitted to the courses for which previous training may have fitted them. All courses intended for undergraduates in the Schools of Applied Science may be pursued by graduates of those or other schools of like grade and standing as graduate courses, the instruction for such persons being carried farther in specialization than the time available permits to candidates for undergraduate degrees. The instruction for such advanced students will be by prescribed reading, by problems assigned, and by work in the mechanical laboratories under individual instruction. These supplementary courses will vary in difficulty with the amount of time necessary according to the needs of the individual and the subject. Courses **10, 11, 12,** and **13** are pre-requisites for all graduate courses. Experimental investigation is a special feature of such work in Courses **10** to **17, 19, 24,** and **25.**

*For fuller information regarding the topics covered in these courses see the Announcement of the Courses in Mechanical Engineering.*

### Courses

**1**—Elementary mechanical drawing—Use of instruments, elementary projections. 2 hours a week lectures, and 5 hours in a week in the first year; 2 hours lectures, and 5 hours draughting room in the second year. Mr. MAYER and Mr. MILLER

**2**—Specialized engineering drawing—Working and isometric drawing of machinery, furnaces, and structural work. 2 hours a week lectures, second year; 5 hours a week draughting room. Mr. MAYER and Mr. MILLER

**3** and **4**—First-year shop-work—Carpentry, framing, and joinery. 2 afternoons a week shop practice in shops of Teachers College. Mr. WEICK

**5**—First-summer shop-work—Pattern-making and foundry-work. 100 hours in 3 weeks in June. Mr. WEICK

**6**—Second-year shop-work—Forging. 1 hour conference, and four laboratory periods first half-year, and two periods for second half-year. Mr. SLEFFEL

**7**—Second-year shop-work—Bench-work. Machine-tool work. 1 hour a week conference for instruction, and two laboratory periods, second half-year. Mr. BENNS

**8**—Second-summer shop-work—Machine-tool work continued. 100 hours in three weeks in June. Mr. BENNS

**9**—Third-year shop-work—Machine-tool work, with special appliances for rapid and economical production. 2 afternoons per week, first half-year. Mr. BENNS

**10**—Properties of materials—First half: Sources of timber supply, inspection, determination of variety from practical study of planks,

logs, and trees; causes of decay and processes of preservation; fireproofing, etc. Second half: Discussion of properties of other constructive materials; rustless coatings and various methods of protecting metal work; bearing metal alloys. 2 hours per week, second half of second year, and 2 hours per week, first half of third year. Mr. WOOLSON

11—Engineering of power plants—Steam-engines and their mechanisms. 1 hour a week lecture with recitation, second half, second year. Professor HUTTON

12—The steam-engine and its accessories—The power plant continued. 2 hours lectures and recitations, first half, third year. Professor HUTTON

13—The steam-boiler and its accessories—The power plant concluded. 2 hours lectures with recitations, second half, third year. Professor HUTTON

14—Experimental mechanical engineering—Laboratory methods, calibration of instruments. 1 hour lecture throughout the third year. Professor CATHCART and Mr. PENDLETON

15—Experimental mechanical engineering laboratory—Test of Duplex pump and simple non-condensing engine. Equivalent of one afternoon per week throughout the third year. Professor CATHCART and Mr. PENDLETON

16—Testing materials of engineering—Clinical conferences and work in the laboratory. Mr. WOOLSON

17—Mechanical engineering laboratory—Operation, care, and tests of compound and triple expansion steam-engines, of hot-air, gas, and oil-engines. 2 hour lectures first term and half of second term. Professor CATHCART and Mr. PENDLETON

18—Machinery and mechanism—Conversion of motion, teeth of wheels, general mechanism. 2 hours a week lectures and recitations, third year. Mr. WOOLSON

19—Heat and its applications—Fuels for motive power, combustion, transfer of heat, heating surface, gas and air engines, combined vapor engines, air compressors, refrigerating machinery. 3 hours a week lectures and recitations, first half, fourth year. Professor HUTTON

20—Motors other than steam. 1 hour a week lecture, second half, fourth year. Professor HUTTON

21—Dynamics of motors—Dynamometers, governors, regulators. 1 hour a week lecture, second half, fourth year. Professor HUTTON

22—Engineering design and drawing—Graphic statics of forces, moments, and framed structures. 2 hours per week, first half, third year; 1 hour per week, second half-year; afternoon periods in draughting room. Professor CATHCART

23—Valve-gearing for engines—Common valve-gear, polar diagram design, link-motions, cam-gears; variable cut-off mechanisms. 1 hour a week, first half, fourth year, and afternoon work in draughting room. Professor CATHCART

24—Heat and steam engineering laboratory—Triple-expansion Corliss engine, steam-turbine, compound locomotive, flue-gas analysis; hot air, gas, and oil engines; hydraulic machines. 1 afternoon per week, first term and half of second term. Professor CATHCART and Mr. PENDLETON

25—Experimental mechanical engineering laboratory—Stationary boiler-firing, special research. Equivalent of one afternoon per week one half term. Mr. PENDLETON, in coöperation with Mr. MORRISON

26—Railway motive power and machinery. 3 hours a week lectures, part of first half, fourth year. Mr. WOOLSON

27—Pumps, pumping, and special engines. Special course of six lectures, latter part of second half, fourth year. Professor HUTTON

28—Steam-engine design and advanced drawing—The theory of crank-effort, fly-wheels, governors, balancing, and stresses in built-up framing; design of engine-details. 2 hours, fourth year, with afternoon work in drawing-room. Professor CATHCART

29—Shop and factory organization and management—Productive departments of a shop. Elements of shop-cost. Classification of machine-operations; interchangeable systems; division of labor; time-keeping, cost-keeping in the shop. 1 hour a week second half third year. Professor HUTTON and Mr. BENNS

30—Work-shop economics and specifications—The manufacturing engineer; elements favoring modern economic production; the factory or works. Principles underlying economic production in shops; stock or staple product and contract work. Labor systems, days-work, piece-work, contract systems, premium plans, profit- and gain-sharing. Shop-order systems; department organization. 1 hour a week first half of third year, and 1 hour per week, fourth year. Professor HUTTON

31—Marine engine design—Theory and practice of design of structural and working parts. Engine details. Marine boiler design. 2 hours for Alternative D; 1 hour for Alternative E. Professor CATHCART and Assistants

32—Naval architecture—Methods of calculating areas and volumes as applied to ship forms; trim, and moment to alter trim; statical stability; curves of stability; weights and centre of gravity of hull and equipment. Calculations for a given ship. 2 hours for Alternative D; 4 hours for Alternative E. Professor CATHCART and Assistants

33—Ship-building—Materials; types of vessels; lines and models. Draughting of general arrangement, lines, midship section to rules of

insurance societies. The problem of design. The ship from naval and commercial points of view. Initial cost and economy of operation, with regard to speed and carrying capacity. 1 hour for Alternative **D**; 2 hours for Alternative **E**. Professor CATHCART and Assistants

**34**—Marine auxiliaries, appliances, and materials. 2 hours. Professor CATHCART

**35**—Vacation class in mechanical engineering—During the latter half of the school year visits are made to shops, factories, iron and steel works, and pumping stations, for the study of practice in these lines. The instruction is conducted by Professor HUTTON, Professor CATHCART, and Assistants

**36**—Summer work between first and second years—Memoir or drawings.

**37**—Summer work between second and third years—Memoir or drawings.

**38**—Summer work between third and fourth years—Memoir, test, report, or special laboratory work as may be directed in each case by the Professor of Mechanical Engineering.

**39**—Graduation thesis.

**40**—Special problems and original investigations in advanced mechanical engineering, with conferences, laboratory work, and design as required. Major subject for degree of Ph.D. Pre-requisites: all courses offered in the department of Mechanical Engineering.

**41**—Machine design—Resistance and elasticity of materials; simple stresses and deformations; combined stresses; flexure, shear, and torsion. Forms, stresses, and strength of riveted joints; forms, friction, pressure, and efficiency of screw-threads; strength of bolts under simple and combined stresses; keyed connections; forced and shrinkage fits; springs, axles, shafting, couplings, journals, bearings; pulleys, clutches; friction gearing; belting and rope transmission. 3 hours a week lectures and recitations during first half, and 4 hours per week during second half, third year, with afternoon work in drawing-room. Professor CATHCART

**42**—Propelling machinery—Economics of the marine engine; multiple expansion; steam jacketing; re-heating. Power required for propulsion; the resistance of ships; relations of speeds and powers. 2 hours. Professor CATHCART

**43**—Locomotive engineering and design—The locomotive problems: train resistances, line resistances, traffic obligations, time obligations, limitations of weight, length, height, and speed. 3 hours, first half-year. Professor HUTTON

**44**—Locomotive accessories—(1) The tender and tank, capacities and structure; effect as limitations on power or haul; draw-bars and couplers; sanders; signal-systems, bell, whistle, head-light, etc. (2)

Railway round-houses and repair shops. (3) Water and coaling stations. Turn-tables. (4) Mechanically operated switch and signal stations. (5) The testing department of the railway.

**45**—Locomotive specifications, manufacture, and accidents—(1) Detail study of designs of accepted practice. (2) Locomotive building. (3) Costs of production. (4) Accidents and breakages.

**46**—Locomotive testing and management—(1) Consumption of coal per H.P.; per square foot of grate; per ton-mile. (2) Consumption of water per H.P.; per ton-mile. (3) Tractive effort at various speeds. (4) Combustion problems in the locomotive. (5) Road tests and operation of engines.

**47**—Locomotive history and evolution—(1) Historic types. (2) Steam *vs.* electric traction on trunk and branch lines. (3) Lines of development of locomotive.

**48**—Traction engines and automobile carriages. Rolling stock: (1) Self-propelling road engines. (2) Street railway engines. (3) Cars. (4) Automobiles.

**44** to **48** form one course of 3 hours per week. Professor HUTTON

**49**—Mould-loft practice—Afternoon work. Professor CATHCART and Assistants. (*To be organized.*)

**103, 104**—First-year shop-work—Short course in wood-working for Electrical and Civil Engineers. 1 afternoon per week. Mr. WEICK

**106, 107**—Second-year shop-work—Short course in forging and machine-shop for Civil and Electrical Engineers. 1 hour lecture first half-year, 1 afternoon per week in both half-years. Mr. SLEFFEL and Mr. BENNS

### Equipment

The department of Mechanical Engineering both has its own special equipment, and also enjoys the admirable and complete equipment of other departments for the use of its students.

THE WORKSHOPS are located in the Macy Manual Arts building of Teachers College, 120th Street. The wood-working course is planned to lead up to pattern-making and foundry-work. The foundry division has facilities for bench and floor moulding, and for limited work with sweeps. The second division includes the shops for metal-working.

THE MECHANICAL LABORATORIES, properly so called, are located partly in the great basement annex area north of Engineering and beneath the esplanade in front of Havemeyer, partly in Engineering, and partly in the great Power House. Their area exceeds 9000 square feet, giving a length in one span of over 210 feet and a width of 32 and 35 feet. The five subdivisions are, respectively, the Locomotive Laboratory, the Steam and Motive-Power Engineering Laboratories, the Air- and Gas-Engine Laboratory, the Hydraulic Motors Laboratory, and the Testing Laboratories.

The Locomotive Laboratory, or Laboratory of Transportation Engineering, forms a unique and impressive department of the mechanical laboratories, by reason of the presence of the full-size passenger express locomotive engine "Columbia," presented to the department by the Baldwin Locomotive Works of Philadelphia. It is a standard-gauge engine of the Vauclain compound type, having four cylinders, and a power represented by 1600 H.P. Its weight is sixty-three tons, of which eighty thousand pounds rests upon the four drivers and is available for adhesion and traction.

The Steam and Motive-Power Engineering Laboratory occupies an area of 84 x 85 feet in the centre of the great laboratory space, and has been made a memorial to the late Edward P. Allis by the gift of the principal features of its equipment by his sons, the Messrs. Allis of Milwaukee.

The Section of Direct-Combustion Engines, illustrating motors using other media than steam as heat-carrier, embraces two Otto gas-engines, one of 10 H.P. and one of 15 H.P.; a 10 H. P. Nash engine, a Hornsby-Akroyd oil-engine, and an Ericsson and a Rider caloric pumping engine.

The Hydraulic Motors Laboratory, occupying a space of 67 feet long and 32 feet wide, is at the east end of the laboratory, and has been made a memorial gift by Mr. Charles C. Worthington, and is known as the Henry R. Worthington Laboratory.

The Testing Laboratories are equipped with high-grade testing machines for tensile, transverse, torsion, and compression tests.

For description in detail of the equipment of these laboratories, reference may be made to the Announcement of the Courses in Mechanical Engineering, which may be had upon application to the Secretary of the University.

The Power Plants of the University at the Morningside site, and at the College of Physicians and Surgeons, at 59th Street and Tenth Avenue, offer unusual facilities for tests and investigations on a considerable scale, and add the strength of this administrative equipment to the distinctly laboratory equipment listed above. Students of Mechanical Engineering are permitted to have access to all this additional machinery.

The Draughting-Rooms on the top floor of Engineering are splendidly lighted and of very large extent, and are fitted not only with the best forms of drawing tables and furniture, but also with extensive collections of patterns, models, and illustrative drawings, blue prints, photographs, and prints, which are useful both as copies and for training in design.

The Cabinets or Museum Collections of Mechanical Engineering are located on the first or main floor of Engineering at the right of the entrance. They are subdivided into three groups or alcoves. In the first are exhibited models, specimens, and samples, of the appli-

ances and material referred to in the lectures on steam and motive-power engineering; the second exhibits mechanisms, gearing, and appliances for the transmission of power and conversion of motion; while the third is specially rich in specimens illustrating the properties of engineering materials, and particularly their behavior under strain, their methods of fracture, and the effects of corrosion, abrasion, impact, and the like. Some of these exhibits are unique.

Lecture- and Class-Room Illustration is effected by extensive use of material from the collections, and of photographs exhibited as lantern-slides by projection in an illuminated room, by drawings and blue prints, and by electrotype prints and wall diagrams. Great service is made also of typewritten monographs and notes manifolded and distributed to the student.

### Summer and Vacation Work

To derive the advantages possible from continuous work in the shop, two summer classes are maintained, each covering about one hundred working hours, beginning June 1. If necessary another similar term will be arranged for September. These form parts of the regular shop-work course of Mechanical Engineering, but are also intended to permit students from other schools, where these facilities are lacking, to comply with the requirements of the regular course by extra application and overtime work.

During the session, and on occasional holidays, students are given opportunities to visit engineering works, machine shops, factories, and industrial establishments in the city and its environs. More elaborate excursions are arranged for the late years to special places or districts, under the supervision of the professors or instructors. The summer between third and fourth years is intended to be specially used for work in connection with the final thesis, or in tests, or in actual running of machinery.

## English

Thomas Randolph Price, M.A., LL.D. ..... *Professor*
Brander Matthews, LL.B., D.C.L., Litt.D. ..... *Professor*
George Rice Carpenter, A.B. ..... *Professor*
William Peterfield Trent, M.A., LL.D. ..... *Professor*
William Tenney Brewster, A.M. ..... *Instructor*
George C. D. Odell, Ph.D. ..... *Instructor*
Clayton Meeker Hamilton, A.M. ..... *Tutor*
George Philip Krapp, Ph.D. ..... *Lecturer*
Ralph Curtis Ringwalt, A.B., LL.B. *Lecturer in Public Speaking*
Edward Morgan Lewis, A.B. ..... *Lecturer in Elocution*
Jeannette Bliss Gillespy, A.B. ..... *Assistant in Barnard College*
Virginia C. Gildersleeve, A.M. ..... *Assistant in Barnard College*

Courses **A, B, 1, 2, 15, 16, 19, 21, 23,** are given both at Columbia College and at Barnard College.

Courses **4, 6, 8, 9, 17, 22, 25,** are given only at Columbia College.

Course **24** is given only at Barnard College.

Courses **3, 16, 17,** are open to seniors in Columbia College as well as to graduate students.

Courses **3, 16, 17, 32, 33, 40, 42, 44, 47, 49,** are open to graduate students (but Courses **40, 42** and **44** are not open to women).

Courses **3, 16, 17, 32, 33, 40, 42, 44, 47, 49** are open to auditors (but Courses **40, 42** and **44** are not open to women).

Courses **5, 7, 18, 20, 22, 30, 31, 34, 41, 43, 45, 46, 48** are not given in 1901–02.

For pre-requisites for admission into courses, see the special Circular of the Department of English.

**Courses**

**A**—Rhetoric and English composition—Carpenter's *Exercises in Rhetoric and English Composition.* Recitations, weekly themes; in the second half-year lectures on certain English and American authors as models of style. 3 hours. Dr. ODELL, Mr. BREWSTER, Mr. HAMILTON (Columbia College); Dr. ODELL, Mr. HAMILTON, Miss GILLESPY, and Miss GILDERSLEEVE (Barnard College)

**B**—English composition—Fletcher's *Introduction to Theme-Writing.* Fortnightly essays, lectures, and consultations. 2 hours. Professor G. R. CARPENTER, Dr. ODELL, and Mr. HAMILTON (Columbia); Mr. BREWSTER, Miss GILLESPY, and Miss GILDERSLEEVE (Barnard)

**1**—English composition—Daily themes and fortnightly essays, lectures, and consultations. 3 hours, first half-year. Professor G. R. CARPENTER (Columbia); Mr. BREWSTER (Barnard)

**2**—English composition—Lectures and discussions with regard to style; essays and other written work. 3 hours, second half-year. Professor G. R. CARPENTER (Columbia); Mr. BREWSTER (Barnard)

**3**—English composition (advanced course)—Essays, lectures, and consultations. 2 hours. Professor G. R. CARPENTER

**4**—Elocution—Lectures and exercises. 2 hours. Mr. LEWIS

[**5**—The art of English versification. Professor BRANDER MATTHEWS]

**6**—Argumentative composition—Lectures, briefs, essays, and oral discussions. 3 hours. Mr. RINGWALT

[**7**—Theory of English usage. 2 hours. Professor G. R. CARPENTER]

**8**—English composition. 3 hours. Dr. ODELL

Open to freshmen who have passed the entrance examination in English, and, in addition, have passed an examination on Hill's *Foundations of Rhetoric*, Carpenter's *Exercises in Rhetoric and English Composition*, or an equivalent text-book. This course is equivalent to Courses **A** and **B**. Students passing in it are excused from Courses **A** and **B**.

[ Courses given in list at head of page.

9—Debating. 3 hours. Mr. RINGWALT

15—Anglo-Saxon and historical English grammar. 2 hours. Dr. KRAPP (Columbia); Professor TRENT (Barnard)

16—Anglo-Saxon literature—Poetry and prose. 2 hours. Dr. KRAPP

17—Chaucer—Language, versification, and method of narrative poetry. 2 hours. Professor PRICE

[18—Pope—Language, versification, and poetical method. Professor PRICE]

19—Shakspere—Language, versification, and method of dramatic poetry. 2 hours. Professor PRICE (Columbia and Barnard)

[20—The poetry, lyrical, narrative, and dramatic, of Tennyson, Browning, and Matthew Arnold. Professor PRICE]

21—American literature. 3 hours (Columbia); 2 hours (Barnard). Professor BRANDER MATTHEWS and Dr. KRAPP (Columbia); Professor G. R. CARPENTER (Barnard)

[22—The history of the English novel. 2 hours. Professor BRANDER MATTHEWS]

23—English poetry—General survey from the Elizabethan age to modern times. 2 hours (Barnard); 3 hours (Columbia). Professor TRENT (Barnard); Dr. ODELL (Columbia)

24—English prose—General survey from the Restoration to modern times. 2 hours. Mr. BREWSTER (Barnard)

25—The development of the English drama. 3 hours. Professor BRANDER MATTHEWS and Mr. HAMILTON

[30—English language and literature of the eleventh, twelfth, and thirteenth centuries (advanced course), with reading of selected authors, investigation of special questions, and writing of essays. 2 hours. Professor PRICE]

[31—English language and literature of the fourteenth (exclusive of Chaucer) and fifteenth centuries, with reading of selected authors, investigation of special questions, and writing of essays. 2 hours. Professor PRICE]

32—English language and literature of the sixteenth century, reading of selected authors, investigation of special questions, and writing of essays. 2 hours. Professor PRICE

Courses 32, 30, and 31 are given successively in 1901–02, 1902–03, and 1903–04.

33—Anglo-Saxon prose and historical English syntax. Texts: Prose in Sweet, Bright, and Grein; with investigation of special questions, and writing of essays. 2 hours. Professor PRICE

[34—English verse-forms—Historical study. 2 hours. Professor PRICE]

40—Epochs of the drama. 2 hours. Professor BRANDER MATTHEWS

[41—Dramatists of the nineteenth century. 2 hours. Professor BRANDER MATTHEWS]

42—Molière and modern comedy. 2 hours. Professor BRANDER MATTHEWS

[43—English comedy: its history and its methods. 2 hours. Professor BRANDER MATTHEWS.]

Courses 42 and 43 will be given in alternate years.

44—The history of the drama—Special topics. Professor BRANDER MATTHEWS

[45—The evolution of the essay.] Professor BRANDER MATTHEWS

[46—English literature from 1625–1660, with special reference to Milton. 2 hours. Professor TRENT]

47—English literature from 1660–1745, with special reference to Dryden and Pope. 2 hours. Professor TRENT

[48—English literature in the second half of the eighteenth century. 2 hours. Professor TRENT]

49—English literature in the first half of the nineteenth century. 2 hours. Professor TRENT

## French

(See Romance Languages and Literatures.)

## Genito-Urinary and Venereal Diseases

ROBERT W. TAYLOR, M.D. ..... *Clinical Professor*
JAMES R. HAYDEN, M.D. ..... *Chief of Clinic*
WILLIAM C. GILLEY, M.D. ..... *Clinical Assistant*
EDMUND Y. HILL, M.D. ..... *Clinical Assistant*
JOHN B. STEIN, M.D. ..... *Clinical Assistant*
W. B. BROUNER, M.D. ..... *Clinical Assistant*
W. D. TRENWITH, M.D. ..... *Clinical Assistant*
S. W. FOWLER, M.D. ..... *Clinical Assistant*
W. S. REYNOLDS, M.D. ..... *Clinical Assistant*
FELLOWES DAVIS, Jr., M.D. ..... *Clinical Assistant*
J. R. WHITING, M.D. ..... *Clinical Assistant*
E. L. KELLOGG, M.D. ..... *Clinical Assistant*

### Courses

Courses 1 and 2 are required in the third year of candidates for the degree of M.D., and Course 3 is optional in the third and fourth years.

1—Venereal and genito-urinary diseases—Clinical lectures at the Vanderbilt Clinic. 2 P.M., Thursday. 1 hour. Professor TAYLOR

2—Practical instruction at the Vanderbilt Clinic in the diagnosis and treatment of venereal and genito-urinary diseases—10 lessons for each student. Dr. HAYDEN

3—Hospital clinics in venereal and genito-urinary diseases—Bellevue Hospital, Tu. at 3.30 P.M. throughout the academic year. Professor TAYLOR

## Geology

JAMES FURMAN KEMP, A.B., E.M.....*Professor*
ALEXIS ANASTAY JULIEN, Ph.D.....*Curator*
AMADEUS WILLIAM GRABAU, S.D.....*Lecturer*
GEORGE IRVING FINLAY, A.B.....*Assistant*
HERVEY WOODBURN SHIMER, A.B.....*Assistant*

For full information regarding the following courses see the Circular of Information of the Faculty of Pure Science.

Courses **1, 2, 3,** and **4** are open to College students; Courses **2, 3, 4, 6, 7, 10,** and **13** are open to students in Applied Science; Courses **2, 3, 6, 7, 8, 14, 15, 16,** and **17** are open to graduate students.

### Courses

1—General geology. 2 hours lectures and 2 hours laboratory, counting as a three-hour course. Dr. GRABAU

2—General geology. 3 hours lectures. Professor KEMP and Dr. GRABAU

3—Economic geology. 3 hours lectures. Professor KEMP

4—Petrography. 2 lectures and 1 afternoon for two months, second term. Compare Mineralogy **6.** Professor KEMP and Mr. FINLAY

6—Petrology. 2 lectures and at least 4 hours laboratory. Professor KEMP

7—Invertebrate palæontology. 2 lectures and at least 4 hours laboratory. Dr. GRABAU and Mr. SHIMER

8—Comparative geology—A comparative description and study of the geological formations of North and South America. Alternates with Course **14.** 2 lectures and 4 hours reading and laboratory. Given in 1901–02. Professor KEMP for the crystalline and pre-Cambrian rocks, Dr. GRABAU for the fossiliferous.

10—Geological examinations and surveys—A discussion of field methods and of the organization of geological surveys. 1 lecture. Professor KEMP

12—A thesis which will furnish the major course for the concluding year of study for the degree of Doctor of Philosophy.

**13**—Field geology—Ten days field work and report upon the same during the vacation. Given in connection with Mining **11.**

**14**—Comparative geology, similar in scope to Course **8,** but treating of Europe, Asia, Africa, and Australia. Alternates with Course **8.** 2 lectures and 4 hours reading and laboratory. Given in 1901–02. Professor KEMP for the crystalline and pre-Cambrian rocks, Dr. GRABAU for the fossiliferous.

**15**—Phylogeny of a special group of fossil invertebrates. 6 or more hours laboratory and conference by appointment. Pre-requisite Course **7.** Dr. GRABAU

**16**—Fossil faunas—A study of American and European fossil faunas. 1 lecture and 4 or more hours laboratory. Pre-requisite Course **1** or **2.** Dr. GRABAU and Mr. SHIMER

**17**—Stratigraphy—Faunas of a special horizon or locality. 6 hours or more laboratory and conference by appointment. Dr. GRABAU

The department has ample laboratories and a full equipment for its several lines of work, details of which will be found in the Circular of the Faculty of Pure Science.

Related courses in Physiography are given in Teachers College by Professor R. E. DODGE in close association with this department.

The following courses in Palæobotany are offered at the New York Botanical Garden by Dr. ARTHUR HOLLICK.

The palæobotanical library and collections of Columbia University have been deposited at the Garden.

General Palæobotany—Developmental history and structure of the fossil flora of some selected locality. Laboratory and Museum.

Cretaceous Flora of eastern North America. Collection and determination of specimens of some station with attention to stratigraphic relations. Field and laboratory.

## Germanic Languages and Literatures

WILLIAM HENRY CARPENTER, Ph.D. . . . *Professor of Germanic Philology*
CALVIN THOMAS, A.M. . . . *Gebhard Professor of the Germanic Languages and Literatures*
WILLIAM ADDISON HERVEY, A.M. . . . *Instructor*
ELIJAH WILLIAM BAGSTER-COLLINS, A.M., *Instructor in Teachers College*
RUDOLF TOMBO, Sr., Ph.D. . . . *Tutor in Barnard College*
RUDOLF TOMBO, Jr., Ph.D. . . . *Tutor*
ARTHUR F. J. REMY, Ph.D. . . . *Tutor*
WILHELM ALFRED BRAUN, A.B. . . . *Tutor in Barnard College*
EMIL A. C. KEPPLER, A.M. . . . *Assistant*

The department, as its name implies, offers instruction, not only in German, but in the kindred languages and literatures of the other members of the Germanic group. In German the aim of the instruction is

primarily to enable students to use the modern language with facility in reading, writing, and, as far as possible, in speaking, and to acquaint them with the masterpieces of German literature. Opportunity is also given to acquire a reading knowledge of the languages of the other Germanic nations, and to study their literatures. Parallel courses are arranged in such a way that while both language and literature are combined in the earlier courses, either side may be subsequently emphasized at will. Courses are also given in the philology of the whole Germanic group. Work supplementary to the lectures is given in the Seminar.

The courses offered by the department are grouped under the following heads: German, Scandinavian, Low German, Gothic, and Germanic Philology.

Course **A** is prescribed for freshmen in the College who did not present German at entrance and do not elect Course **1**; Course **1** is equivalent to Course **A** plus a three-hour elective; Courses **2** and **22** are open to students who have presented elementary German at entrance, or have taken Course **A**; Courses **3**, **4**, and **5** are equivalent courses, open to students who have taken Course **1**, **2**, or the advanced entrance examination; Courses **6**, **8**, and **9** are open to students who have taken Course **3**, **4**, or an equivalent; Course **7** is open to students who have taken Course **6** or an equivalent; Courses **10**, **11**, **12**, **13**, **14**, **15**, **16**, **17**, **18**, **19**, **20**, **21**, **23**, and **24**, are open, with the permission of the instructor, to seniors; Courses **A**, **1**, **2**, **3**, **4**, **5**, **6**, **7**, **8**, **9**, **10**, **11**, **12**, **13**, **14**, **15**, **16**, **17**, **18**, **19**, **20**, **21**, **22**, **23**, and **24** are open to university students. The Seminar is open to advanced students only.

Courses **A**, **1**, **2**, **22**, **3**, **4**, **5**, and **8** may not be counted towards the degree of Master of Arts or Doctor of Philosophy, and all other courses may be so counted only when such additional work is taken in connection with them as may be prescribed by the instructor in charge.

All the courses in this department, with the exception of **A**, **1**, **2**, **22**, **3**, **4**, **5**, **6**, **7**, **8**, and **9**, are open to women on the same terms as to men. Women wishing to enter any of the courses as special students or as candidates for the bachelor's degree must register through Barnard College or Teachers College.

Courses **6**, **7**, **8**, **9**, **10**, **11**, **12**, **13**, **14**, **15**, **16**, **17**, **18**, **19**, **20**, **21**, **23**, and **24** are open, with the consent of the instructor, to auditors.

Courses **A**, **2**, **3**, **4**, **6**, **7**, **8**, and **20** are also given in Barnard College.

Course **19** is given as Education **17** in Teachers College.

### Courses in German

**A**—Elementary course. Thomas, *Practical German Grammar*; Harris, *German Reader*; easy stories and plays. 3 hours. Mr. HERVEY, Dr. R. TOMBO, Jr., and Mr. KEPPLER

**1**—Longer elementary course. 6 hours. Dr. R. Tombo, Jr., and Dr. Remy

First half-year identical with Course **A**; in second half-year more difficult prose, by such authors as Heine, Riehl, and Freytag.

Open to others than freshmen only by consent of the Dean and of the instructor in charge.

**2**—Grammar, reading, and composition. 3 hours. Dr. Remy and Mr. Keppler

The text-books and plan of work are in general the same as those of the second half-year of Course **1**.

Students who have taken Course **1** or **2** will be prepared to join Course **3**, **4**, or **5** at the beginning of the second year, either of which will be accepted as an equivalent of the reading knowledge of German required of candidates for the degree of Doctor of Philosophy in the School of Philosophy.

**22**—Grammar and composition. Syntax and word-formation; sight-reading and colloquial practice. 2 hours. Mr. Hervey

**3a**—Selected works of Goethe, Schiller, and Lessing. Texts, chiefly dramatic, and essays. Intended primarily for students who have not previously read works of these authors. 3 hours. Mr. Hervey

**3b**—Selected works of Goethe, Schiller, and Lessing. Texts and essays. Intended primarily for students who have some acquaintance with the works of these authors. 3 hours. Mr. Hervey

**4**—Historical prose. One volume of Freytag's *Bilder aus der deutschen Vergangenheit*, and other works of a historical or biographical character. 3 hours. Dr. R. Tombo, Jr.

**5**—Scientific German. Brandt and Day, *German Scientific Reading*, and various scientific monographs. 3 hours. Dr. Remy

**6**—History of German literature from the earliest times to the nineteenth century. Lectures, themes, and readings from Müller's *German Classics*. 2 hours. Professor Thomas

**7**—Goethe's *Faust:* First and second parts. Lectures and recitations. 2 hours. Professor Thomas

**8**—Practice in speaking and writing German. Talks, conferences, and themes, all in German, upon linguistic and literary topics. 2 hours. Dr. R. Tombo, Jr.

**9**—History of the German language. Lectures and texts. 2 hours. Professor W. H. Carpenter

**23a**—Epochs of German culture. The age of chivalry. Lectures, themes, and readings. 2 hours. Mr. Hervey

**10a**—Great German writers. Lessing (first half-year) and Goethe (second half-year). 2 hours. Professor Thomas

Courses 10a and 10b are given in alternate years.

[10b—Great German writers. Schiller (first half-year) and Heine (second half-year). 2 hours. Professor THOMAS]

10b will be omitted in 1901–02, its place being taken by 10a.

[11—Old High German. Lectures and texts. 2 hours. Professor W. H. CARPENTER]

Courses 11 and 21 are given in alternate years.

Old High German will be omitted in 1901–02, its place being taken by Middle High German.

21—Middle High German. Lectures and texts. 2 hours. Professor W. H. CARPENTER

19—Teachers course. Theory and practice of teaching German in secondary schools. Lectures, essays, discussions, reports of observation, and practice-teaching. Two conferences a week and a total of 30 hours of practical work. Mr. BAGSTER-COLLINS

Given as Education 17 at Teachers College

20—Geschichte der deutschen Litteratur im 19. Jahrhundert. Vorlesungen in deutscher Sprache. 2 hours. Professor THOMAS

### Courses in Scandinavian

[12—Swedish. Elementary course in the language, with miscellaneous reading, and a general survey in lectures of the history of Swedish literature. 2 hours. Professor THOMAS]

Swedish alternates with Danish and Dutch in a cycle of three years

Swedish will be omitted in 1901–02; it will be given in 1903–04.

13—Danish. Elementary course in the language, with miscellaneous reading, and a general survey in lectures of the history of Danish literature. 2 hours. Professor THOMAS

14—Icelandic. Elementary course. Kahle, *Altisländisches Elementarbuch*. 2 hours. Professor W. H. CARPENTER

Courses 14 and 15 are given in alternate years.

[15—Icelandic. Advanced course. The *Snorra Edda*. Lectures and texts. 2 hours. Professor W. H. CARPENTER]

Advanced Icelandic will be omitted in 1901–02, its place being taken by the elementary course.

### Courses in Low German

[16—Dutch. Elementary course in the language, with miscellaneous reading, and a general survey in lectures of the history of Dutch literature. 2 hours. Professor W. H. CARPENTER]

Dutch will be omitted in 1901–02; it will be given in 1902–03

24—Old Saxon. Holthausen, *Altsächsisches Elementarbuch*. 2 hours. Dr. R. TOMBO, Jr.

### Course in Gothic

17—Gothic. Streitberg, *Gotisches Elementarbuch*. 2 hours. Dr. REMY

### Course in Germanic Philology

18—General introduction to Germanic philology. Lectures and exercises. 2 hours. Professor W. H. CARPENTER

### Germanic Seminar

Germanic Seminar—Critical study of *Der hürnen Seufrid* of Hans Sachs (first half-year). The so-called "Storm and Stress" movement of the eighteenth century (second half-year). 2 hours. Professors W. H. CARPENTER and THOMAS

The Seminar is open to advanced students only. Attendance at the meetings is obligatory upon candidates for the degree of Doctor of Philosophy whose major subject lies in this department.

### Public Lectures

A course of lectures in the German language on popular subjects, intended primarily for the students of the University, but to which the general public is also invited, is given yearly under the auspices of the department.

### Equipment

The University Library offers excellent facilities for the study of German, both on the literary and the linguistic side. In German literature most periods are well represented. The Goethe collection, which consists of more than 1200 titles, affords to the student of Germany's greatest author an exceptional opportunity for the prosecution of his researches. The Scandinavian collection contains a fair representation of the ancient saga and poetical literature, and most of the eminent writers of modern Norway, Denmark, and Sweden.

The Library has sets and the current numbers of all the important periodicals which deal with Germanic literature and Germanic and general philology. It has also sets of periodicals no longer published, and a large collection of the transactions and publications of the learned societies of America and Europe.

The income of the Carl Schurz Library Fund ($10,000), contributed by citizens of New York in commemoration of the seventieth birthday of Carl Schurz, is, by the terms of the gift, devoted in perpetuity to the purchase of books in the field of the German language and literature.

The Carl Schurz Fellowship in the German Language and Literature, of the value of eight hundred dollars, the income of a fund ($10,000) contributed by citizens of New York in commemoration of the seventieth birthday of Carl Schurz, will be awarded every alternate year, beginning July 1, 1902.

## Greek

(*Including Archæology and Epigraphy*)

EDWARD DELAVAN PERRY, Ph.D.....*Jay Professor*
JAMES RIGNALL WHEELER, Ph.D.....*Professor*
MORTIMER LAMSON EARLE, Ph.D.....*Professor of Classical Philology*
GONZALEZ LODGE, Ph.D.,
*Professor of Greek and Latin in Teachers College*
CLARENCE HOFFMAN YOUNG, Ph.D.....*Adjunct Professor*
JAMES DENNISON ROGERS, Ph.D.....*Lecturer*

### Courses

Courses **3, 4, 6, 7,** and **14** are closed to women. Courses **12, 16, 18, 21, 24,** and the Seminar are open to women on the same terms as to men.

Courses **18** and **24** are open to auditors.

Courses **1, 3, 4, 6, 7, 12, 14,** and **18** are open as electives to properly qualified students in Columbia College; but of these courses, **12** and **18** are open to seniors only.

Course **18** is open as an elective to properly qualified students in Barnard College.

Courses **12, 14, 16, 18, 21, 24,** and the Greek Seminar are open to graduate students and may be counted towards the higher degrees.

Courses **6** and **7** are also open to graduate students, but may not be counted towards higher degrees.

[NOTE. Only courses offered in 1901–02 are here given.]

**A**—Elementary course. 5 hours, counting as a three-hour course. Dr. ROGERS

Open to students who did not present Greek at entrance; to freshmen as an elective, to others as an optional course. To be given only if elected by three or more students in full standing.

**B**—First half-year: Selected orations of Lysias. Second half-year: Homer's *Odyssey*, selections. Greek prose composition fortnightly throughout the year. 3 hours. Professor YOUNG and Dr. ROGERS

Open as an elective to freshmen in Columbia College who presented Greek at entrance, and to sophomores who have taken Greek **A**; to others as an optional course.

**1**—Elements of Greek archæology. 2 hours, first half-year. Professor YOUNG

**3**—First half-year: Euripides' *Medea;* Sophocles' *Philoctetes*; required reading (in English, French, or German, at the option of the student), and lectures on the Greek drama. Second half-year: Selections from Plato, with required reading as above. 3 hours. Professors YOUNG (first half-year) and PERRY (second half-year)

An additional hour weekly in advanced Greek composition will be offered by Dr. ROGERS, and students who take this may count Course **3** as a four-hour course, or Course **4** as a three-hour course. Candidates for Honors in Classics are strongly urged to avail themselves of this opportunity.

4—Rapid reading of Homer's *Odyssey*. 2 hours. Professors WHEELER and PERRY

6—First half-year: Sophocles' *Œdipus Tyrannus* and Æschylus' *Prometheus*. Second half-year: Selections from Thucydides. For private reading in the course of the year, with occasional conferences with the instructor: Sophocles' *Antigone*. 3 hours. Professors PERRY (first half-year) and YOUNG (second half-year)

7—Greek composition, advanced course. One session weekly, with written exercises, counting as a two-hour course. Professor WHEELER

12—Greek lyric and bucolic poets. 3 hours. Professor PERRY

14—New Testament Greek. 2 hours. Professor YOUNG

16—Demosthenes and Thucydides. 2 hours. Professors WHEELER and PERRY

18—Introduction to the study of Greek archæology. Part II: Sculpture. 2 hours. Professor YOUNG

21—Greek epigraphy. Lectures, and practice in the reading of inscriptions. One session weekly, counting as a two-hour course. Professor WHEELER

24—Methods of classical philology. 1 hour. Professor PERRY

### Course in Greek and Latin

Professor LODGE of Teachers College offers a course in Greek and Latin syntax. 2 hours. May be counted toward the higher degrees.

### Classical Seminar

*Latin Section:* The Plebeian Latinity. 2 hours, twice a month, second half-year. Professors PECK and EGBERT

Open to graduate students only.

*Greek Section:* Interpretation of Euripides, with preparation and discussion of papers. One session weekly throughout the year, counting as a three-hour course. Professor EARLE

Open to graduate students only. Attendance is obligatory upon candidates for the degree of Doctor of Philosophy, and strongly recommended to those for the Master's degree, whose major subject lies in this department.

### Courses in New Testament Greek at the Union Theological Seminary

These courses may count as *part* of the work required for the degrees of Master of Arts and Doctor of Philosophy at Columbia University; but students who intend to avail themselves of this privilege must come to an understanding with the Dean of the Faculty of Philosophy of Columbia University with regard to equivalence of courses and additional work required, at the time of registering themselves, or of renewing their registration, as candidates for a degree.

### Courses

*First Term :*

New Testament grammar; the Synoptic Gospels. 3 hours. Mr. FRAME
The Johannine writings. 2 hours. Professor VINCENT
Acts of the Apostles. 2 hours. Mr. FRAME
Romans. 2 hours. Professor VINCENT
Colossians or Ephesians. 2 hours. Professor VINCENT
First and Second Thessalonians. 1 hour. Mr. FRAME
Exegetical Seminar. 2 hours. Professor VINCENT

*Second Term :*

First Corinthians. 2 hours. Professor VINCENT
General introduction to the New Testament. 2 hours. Professor VINCENT
The Johannine writings and pastoral epistles. 2 hours. Professor VINCENT
Exegetical Seminar. 2 hours. Professor VINCENT
The Synoptic Gospels. 2 hours. Mr. FRAME
Acts of the Apostles. 2 hours. Mr. FRAME
Second Epistle of St. Peter. 2 hours. Mr. FRAME
Philippians and Philemon. 1 hour. Mr. FRAME

## Gynecology

GEORGE MONTGOMERY TUTTLE, M.D. ..... *Professor*
GEORGE W. JARMAN, M.D. ..... *Chief of Clinic and Instructor*
W. S. STONE, M.D. ..... *Instructor*
CHARLES ALLEN WHITING, M.D. ..... *Tutor*
E. L'H. MCGINNIS, M.D. ..... *Electro-Therapeutist*
B. W. STIEFEL, M.D. ..... *Clinical Assistant*
CHARLES I. PROBEN, M.D. ..... *Clinical Assistant*
JOHN M. KENNEDY, M.D. ..... *Clinical Assistant*
E. P. MALLETT, M.D. ..... *Clinical Assistant*
G. H. MALLETT, M.D. ..... *Clinical Assistant*
J. J. HIGGINS, M.D. ..... *Clinical Assistant*
FRANK OASTLER, M.D. ..... *Clinical Assistant*
WILLIAM L. BRADLEY, M.D. ..... *Clinical Assistant*
J. I. EDGERTON, M.D. ..... *Clinical Assistant*

### Courses

Course 1 is required in the second and third years, and Courses 2, 3, 4 in the third year, of candidates for the degree of M.D.

1—The principles and practice of gynecology—Didactic lectures. 3 hours, from March 15 to the end of the academic year. Professor TUTTLE

2—Clinical instruction at the Vanderbilt Clinic. 1 hour. F. at 3 P.M. Professor TUTTLE

3—Practical instruction in diagnosis, treatment, and the use of instruments. 6 lessons for each student at the Vanderbilt Clinic. Dr. JARMAN and Dr. STONE

4—Hospital clinics in operative gynecology—Roosevelt Hospital, McLane Operating Theatre. Tu., Th., and Sat. at 2.30 P.M.

**The McLane Operating Theatre of Roosevelt Hospital**

This is upon the hospital grounds, immediately opposite the College of Physicians and Surgeons, and is one of the most thoroughly equipped buildings in this country for instruction in the surgery of gynecology.

The cases upon which operations are demonstrated are taken from the gynecological wards of Roosevelt Hospital, which are under the exclusive direction of the Professor of Gynecology, and the cases in which are all available for the instruction given by him.

## History and Political Philosophy

WILLIAM MILLIGAN SLOANE, Ph.D., L.H.D., LL.D. ..... *Professor*
HERBERT LEVI OSGOOD, Ph.D. ..... *Professor*
WILLIAM ARCHIBALD DUNNING, Ph.D. ..... *Professor*
JAMES HARVEY ROBINSON, Ph.D. ..... *Professor*
WILLIAM ROBERT SHEPHERD, Ph.D. ..... *Tutor*
JAMES THOMSON SHOTWELL, A.B. ..... *Lecturer*
HARRY ALONZO CUSHING, LL.B., Ph.D. ..... *Lecturer*
ELLEN SCOTT DAVISON, A.M. ..... *Lecturer in Barnard College*
WILLIAM ROY SMITH, A.M. ..... *Lecturer in Barnard College*

There are three groups of courses in this department: disciplinary, narrative, and research. Course **A** is required of all candidates for the A.B. degree; with it may be classed Courses **1, 2, 3,** and **4.** Courses **5, 6, 7, 11, 14, 30,** and **40** are preparatory to the independent investigation of historical subjects, and are open to properly qualified students of Columbia College, and the rest are intended for the training of candidates for the higher degrees. These all may be supplemented and complemented by courses given in other departments which deal with subjects constituting an integral part of the domain of history: viz., history of European law, general history of diplomacy, history of American diplomacy, and the historical courses in Economics, Social Science, and Philosophy. The University likewise affords excellent opportunities for the study of archæology, political geography, and philology in their intimate connection with historical research.

**Courses in History**

**A**—Epochs of ancient, mediæval, and modern history. 3 hours. Dr. SHEPHERD and Mr. SHOTWELL

1—Continental European history, mediæval and modern, to 1648. 3 hours. Dr. SHEPHERD

2—Continental European history, modern and contemporaneous (1648–1889). 3 hours. Professor DUNNING and Dr. SHEPHERD

3—English history to the reform bill (1832). 3 hours. Dr. SHEPHERD

4—History of the United States to the close of reconstruction (1877). 3 hours. Professor DUNNING

5—Transitions in European history. 2 hours. Professor SLOANE

6—History of Great Britain during the eighteenth and nineteenth centuries. 2 hours. Professor OSGOOD

7—Roman institutions. 2 hours. Professor MUNROE SMITH

10—Historical Bibliography—The sources of mediæval and modern European history—Apparatus of historical study. Langlois' *Manuel de Bibliographie Historique* will serve as a basis for the work. 2 hours, second half-year. Professors ROBINSON and OSGOOD

11—Development of European culture during the later middle Ages and Renaissance—The Protestant revolt. 3 hours. Professor ROBINSON

12—Mediæval institutions and culture—A research course open only to those who can read Latin and French fluently. Luchaire's *Manuel des Institutions françaises* will be used as a hand-book. 2 hours. Professor ROBINSON

13—Opening of the Lutheran Reformation (1517–26)—A research course, open only to those who can read German and Latin fluently. 2 hours. Professor ROBINSON

14a—France under Louis XVI. The antecedents and opening of the French Revolution. 2 hours, first half-year. Professor ROBINSON

14b—The Age of the Revolution from 1791 to 1815. 2 hours, second half-year. Open only to those who have taken Course **14a**. Professor SLOANE

15—The work of Napoleon—This course is open to such selected individuals as give evidence of capacitv for original research, and read French and German fluently. 2 hours, first half-year. Professor SLOANE

16—The Constitutional history of England to 1869. 2 hours. Professor OSGOOD

18—Seminar in later mediæval and modern European history. 2 hours every other week. Professor ROBINSON

19—History of the primitive and early Catholic Church. 3 hours, first half-year. Given at the Union Theological Seminary.

20—History of the western Catholic Church and of the Protestant Reformation. 3 hours, second half-year. Given at the Union Theological Seminary.

**21**—History of Protestant theology. 1 hour. Given at the Union Theological Seminary.

**23**—English Church history — Reformation and Post-Reformation periods. 2 hours, first half-year. Given at the Union Theological Seminary.

**25**—History of the Roman Catholic Church since the Reformation. 1 hour, second half-year. Given at the Union Theological Seminary.

**26**—Seminar in Church history. 2 hours. Given at the Union Theological Seminary.

**30**—Transitions in American history — This course deals with those epochs of American history where its connection with that of Europe is closest. 2 hours. Professor SLOANE

**31**—Political and Constitutional history of the United States. 2 hours. Professor BURGESS

**32**—American Colonial history during the Seventeenth Century—Open only to approved candidates for the degrees of A.M. and Ph.D., and to such special students as receive permission to attend. 2 hours. Professor OSGOOD

**33**—American Colonial history during the eighteenth century—This course is open to the same class of students as is History **32**. 2 hours. Professor OSGOOD

**34**—European politics and the War of 1812—Research course given to selected individuals who show capacity for original research, and read French and German fluently. 2 hours, second half-year. Professor SLOANE

**35**—The United States during the Civil War and Reconstruction. 2 hours, first half-year. Professor DUNNING

**36**—American Church history. 2 hours. Given at the Union Theological Seminary

**37**—Seminar in American Colonial history. 1 hour. Professor OSGOOD

### Courses in Political Philosophy

**40**—General history of Political theories. 2 hours. Professor DUNNING

**41**—American political philosophy. 2 hours. Professor DUNNING

**42**—Seminar in political philosophy. 1 hour. Professor DUNNING

### Equipment

The University Library is one of the two or three best similar institutions in the country. It contains over 300,000 volumes, among which are many of the great published collections for the study of

ancient, mediæval, and modern history. The special library of history and political science numbers upwards of 100,000 volumes. The great libraries of New York, Astor, Lenox, and Tilden foundations, those of the New York and Long Island Historical Societies and of the Bar Association are, under certain conditions, also accessible to students. Fuller information as to courses and opportunities for historical work is given in the Announcement of the Faculties of Political Science, Philosophy, and Pure Science, which may be obtained by applying to the Secretary of the University. Under the auspices of the Academy of Political Science, to which advanced students are eligible as members, opportunities are given for the discussion of questions of interest as presented in papers by specialists.

The department employs in its work the best French and German historical maps and one of the four largest relief globes ever made.

## Laryngology

(*Including Diseases of the Larynx, Pharynx, and Nasal Passages*)

*A detailed statement of the equipment of this department for its work, with other information, is given in the spring Announcement of the College of Physicians and Surgeons, 1902.*

GEORGE MOREWOOD LEFFERTS, M.D., M.Sc. ..... *Clinical Professor*
WILLIAM K. SIMPSON, M.D. ..... *Chief of Clinic and Instructor*
RICHARD FROTHINGHAM, M.D. ..... *Instructor*
EDMUND W. BILL, M.D. ..... *Clinical Assistant*
JONATHAN DWIGHT, Jr., M.D. ..... *Clinical Assistant*
JOSEPH E. FULD, M.D. ..... *Clinical Assistant*
ARTHUR P. COLL, M.D. ..... *Clinical Assistant*
LEE M. HURD, M.D. ..... *Clinical Assistant*
JOHN J. McCOY, M.D. ..... *Clinical Assistant*
JOHN LESHURE, M.D. ..... *Clinical Assistant*
PAUL F. SONDERN, M.D. ..... *Clinical Assistant*
SAMUEL W. THURBER, M.D. ..... *Clinical Assistant*
DANIEL W. LAYMAN, M.D. ..... *Clinical Assistant*

### Courses

Instruction in the department of Laryngology (including diseases of the larynx, pharynx, and nasal passages) is both didactic and clinical. It comprises:

1—A systematic course of didactic lectures, which for convenience in teaching and economy of time is given to the fourth-year students collectively in the amphitheatre of the Vanderbilt Clinic.

Both the subjects and the dates of these lectures, each of which is, as far as possible, complete in itself, are announced in printed form at the beginning of the session, and a copy furnished each student in

attendance. 1 hour a week for twenty-eight weeks. M. at 2 P.M. Professor LEFFERTS

Required, in the fourth year, of candidates for the degree of M.D.

2—Practical clinical instruction in the Laryngological Hall of the Vanderbilt Clinic to sections of the class in the use of the laryngoscope, rhinoscope, and tongue spatula, and in the laryngoscopic and posterior rhinoscopic examination of both normal and pathological cases, all under the direct and personal supervision of the Instructor. Dr. WILLIAM K. SIMPSON

Required, in the fourth year, of candidates for the degree of M.D.

3—Individual clinical demonstrations, at which, during his course of "section" teaching, each student has demonstrated to him, by the instructor, a certain number of pathological cases, special attention being given to the questions of general diagnosis, differential and bacteriological diagnosis, and treatment. Dr. RICHARD FROTHINGHAM

## Latin

HARRY THURSTON PECK, Ph.D., L.H.D. ..... *Professor*
JAMES C. EGBERT, Jr., Ph.D. ..... *Professor*
NELSON G. MCCREA, Ph.D. ..... *Adjunct Professor*
CHARLES KNAPP, Ph.D. ..... *Instructor in Barnard College*
GEORGE N. OLCOTT, Ph.D. ..... *Lecturer*

Courses **x** and **y** are required in the freshman and sophomore years, respectively, of candidates who enter without Latin.

Course **A** or Course **B** is required of candidates for the degree of A.B.

If elementary Latin is not offered as an entrance subject, Courses **x** and **y** are pre-requisite to this course. Course **B** is open as an elective to freshmen in the College.

Courses **1, 2, 3, 4, 5, 6, 10, 20, 22,** and **29** may be counted toward the degree of A.B.

Course **5** counts as a partial minor or major for A.M. or Ph.D.

Course **12** counts as a partial minor or major for A.M. or Ph.D.

Course **32** counts as a minor or partial major for A.M. or Ph.D.

Course **21** counts as a partial minor for A.M. or Ph.D.

Course **22** counts as a partial minor for A.M. and partial major or minor for Ph.D.

The Latin Seminar counts as a full minor or partial major for A.M., and partial major or minor for Ph.D. It is required of candidates for Ph.D. who take Latin as their major subject.

Courses **5, 6, 20, 21, 22, 28, 29, 32, 33, 34,** are open to graduate women students.

Courses **21, 28, 32,** are open to auditors.

### Courses

**A**—First term: Cicero: *De Senectute* and *De Amicitia*; syntax. Terence: *Phormio*. Second term: *Odes* and *Epodes* of Horace; prosody. Pliny: *Letters*. 3 hours. Professor EGBERT and Professor MCCREA

**B**—Readings in prose and verse illustrative of Roman public and private life. 3 hours. Professor PECK

**1**—Tacitus: The *Agricola* and *Annals* (Book I). Horace: *Satires*. 3 hours. Dr. OLCOTT

Pre-requisite: Course A or B.

**2**—Horace: *Epistles*—The *Letters* of Cicero. 2 hours. Professor MCCREA

Pre-requisite: Course A or B.

**3**—Juvenal and Martial. 3 hours. Professor EGBERT

Pre-requisite: Course 1 or 2.

**4**—Terence: The *Andria* and *Adelphoe*. Plautus: The *Amphitruo* and *Mostellaria*. 2 hours. Professor MCCREA

Pre-requisite: Course 1 or 2 or an equivalent.

**5**—Roman epigraphy (introductory course). 2 hours. Professor EGBERT

Pre-requisite: Course 3 or 4.

**6**—Rapid reading of Horace and Ovid. 2 hours. Professor PECK

**10**—Private life of the Romans. Lectures and readings. 2 hours. Professor MCCREA

**12**—Roman epigraphy (advanced course). 2 hours. Professor EGBERT.

**20**—Roman oratory: Cicero's Theory and Practice. Cicero: *De Oratore, Pro Milone, Philippic II, Pro Cluentio*. 2 hours. Professor MCCREA

**21**—Introduction to the study of Roman numismatics. 1 hour. Dr. OLCOTT

**22**—Latin prose composition (advanced course). 1 hour. Professor MCCREA

**28**—The history of classical philology. Lectures. 2 hours. Professor PECK

**29**—Roman tragedy. The fragments and Seneca. 3 hours. Dr. KNAPP

**32**—The topography and monuments of ancient Rome. 2 hours. Dr. OLCOTT

**33**—The topography and monuments of ancient Rome (Imperial period). 2 hours. Dr. OLCOTT

Pre-requisite: Course 32.

34—Latin versification. Theory and practice. 1 hour. Professor PECK

x—Introductory Latin: grammar, composition, Cæsar, Cicero, Phædrus. 5 hours (counting for A.B. as 3 points). Dr. OLCOTT

y—Introductory Latin: Cicero, Vergil, and sight reading. Grammar, composition, and prosody. 3 hours. Dr. OLCOTT

Latin Seminar. 2 hours. Professor EGBERT

## LAW

The courses offered in Law are here indicated. For full information as to the course leading to the degree of Bachelor of Laws consult the statement concerning the School of Law.

### Municipal or Private Law

GEORGE W. KIRCHWEY, A.B.....*Professor*
WILLIAM A. KEENER, LL.D.....*Professor*
FRANCIS M. BURDICK, LL.D.....*Professor*
GEORGE F. CANFIELD, A.M., LL.B.....*Professor*
HENRY S. REDFIELD, A.M., LL.D.....*Professor*
CHARLES T. TERRY, A.B., LL.B.....*Lecturer*
HARLAN F. STONE, A.M., LL.B.....*Lecturer*

Courses 1 to 5, inclusive, constitute the work of the first year in the Law School and are open to seniors in the College. Courses 7 to 15, inclusive, and Course 20 are open to students who have taken the work of the first year in Law. Courses 16 to 25, inclusive, are open to students who have taken the work of the first and second years in Law.

#### Courses

1—Elements of jurisprudence and equity. 2 hours. Professor KEENER

2—Contracts. 4 hours. Mr. TERRY

3—Real and personal property. 2 hours. Professor KIRCHWEY

4—Torts. 2 hours. Professor BURDICK

4a—Criminal Law. 2 hours. Mr. STONE

5—Pleading and practice. 2 hours. Professor REDFIELD

[6—Domestic relations and law of persons. 2 hours first half-year. Not given in 1901–02.]

7—Quasi-contracts. 2 hours. Professor KIRCHWEY

8—Equity. 2 hours. Professor KEENER

9—Real and personal property. 2 hours. Professor KIRCHWEY

10—Agency. 2 hours. Professor CANFIELD

11—Bailments and Carriers. 2 hours. Mr. STONE

12—Sales of personal property. 2 hours. Professor BURDICK

14—Pleading and practice. 2 hours. Professor REDFIELD

15—Negotiable paper. 2 hours. Professor BURDICK

16—Pleading and practice. 2 hours, first half-year. Professor REDFIELD

17—Corporations. 2 hours. Professor KEENER

18—Equity. 2 hours. Professor KEENER

19—Evidence. 2 hours. Professor CANFIELD

20—Insurance. 1 hour. Mr. STONE

21—Partnership. 2 hours. Professor BURDICK

22—Real and personal property. 2 hours. Professor KIRCHWEY

23—Suretyship and mortgage. 2 hours. Professors BURDICK and KIRCHWEY

24—Wills and administration. 2 hours. Professor REDFIELD

25—Doctrines peculiar to New York Law. 2 hours, second half-year. Professor CANFIELD

[26—Bankruptcy. 2 hours, first half-year. Not given in 1901–02.]

## Public Law and Jurisprudence

JOHN WILLIAM BURGESS, Ph.D., LL.D. ..... *Professor*
MUNROE SMITH, A.M., J.U.D. ..... *Professor*
FRANK JOHNSON GOODNOW, A.M., LL.D. ..... *Professor*
JOHN BASSETT MOORE, A.B., LL.D. ..... *Professor*
HARRY ALONZO CUSHING, LL.B., Ph.D. ..... *Lecturer*

The courses in this department fall into two divisions: public law and jurisprudence. The purpose of the courses in public law is to give a complete general view of international, constitutional, and administrative law. They serve primarily to supplement the courses in the departments of History and Economics, and to give with them a complete system of political science. In the second place, they supplement the courses offered by the department of Private Law, constituting with these a well-rounded legal curriculum. The courses in international, constitutional, and administrative law are also recommended to journalists, students of philosophy and theology, and in general to all who desire to understand the organization and working of governmental systems. The courses on private rights under the Constitution of the United States, on the law of taxation, on the law of municipal corporations, and on conflict of laws are more professional in their character, and are chiefly intended for law students.

The courses in Roman law and comparative jurisprudence, while constituting an integral portion of a complete legal education, will be found useful to all those who desire a general comprehension of the

principles of private law rather than a professional training in its details. The introductory course upon the Roman law (21) and that upon European legal history (23) are especially recommended to students of history, economics, and philosophy.

### Courses in Public Law

*A—Constitutional Law*

1—Comparative constitutional law of the principal European states and the United States—Lectures. 2 hours. Professor BURGESS

2—Private rights and immunities under the Constitution of the United States. 2 hours. Professor BURGESS

4—American constitutional law in its historical development. 2 hours. Professor BURGESS

5—Advanced Seminar in constitutional law—Investigation and discussion. 1 hour. Professor BURGESS

The courses in the constitutional history of Europe, England, and the United States (*cf.* courses in history) are regarded as a necessary introduction to the above courses in constitutional law.

*B—International Law*

6—History of diplomacy—Lectures. 2 hours, first half-year. Professor MOORE

7—History of American diplomacy—Lectures. 2 hours, second half-year. Professor MOORE

8—International law—Lectures. 2 hours. Professor MOORE

10—Seminar in international law. 2 hours. Professor MOORE

*C—Administrative Law*

15—History and principles of colonial administration—Lectures. 2 hours, first half-year. Professor GOODNOW

16—Comparative administrative law—Lectures. 2 hours. Professor GOODNOW

17—Municipal government—Lectures. 2 hours, second half-year. Professor GOODNOW

18—Law of taxation—Lectures. 2 hours, second half-year. Professor GOODNOW

19—Law of municipal corporations—Study of cases. 2 hours, first half-year. Professor GOODNOW

20—Seminar in administrative law. 1 hour. Professor GOODNOW

### Courses in Roman Law and Comparative Jurisprudence

21—Roman law I—History and institutes of Roman law—Lectures. 2 hours, first half-year. Professor MUNROE SMITH

22—Roman Law II—Lectures and discussion of selected cases from the *Corpus Juris Civilis*, principally in contracts. 2 hours, second half-year. Professor MUNROE SMITH

[23—History of European law (early German law; Frankish law; feudalism; the canon law; the reception of the law-books of Justinian in mediæval Europe; the reaction against Roman law, canon and civil; and the movement towards national codification)—Lectures. 2 hours. Professor MUNROE SMITH

Given in 1902–03 and alternate years thereafter.

24—Comparative jurisprudence—Lectures. 2 hours. Professor MUNROE SMITH

25—Conflict of laws—Lectures and discussion of cases. 1 hour. Professor MOORE

26—Spanish civil law—Lectures. 1 hour. Professor MUNROE SMITH

29—Seminar in legal history and comparative legislation. 1 hour. Professor MUNROE SMITH

## Materia Medica and Therapeutics

GEORGE L. PEABODY, M.D.....*Professor*

### Courses

*For full particulars see the Announcement of the School of Medicine.*

Instruction in this department is both didactic and clinical.

1—The didactic course occupies three hours a week and is required, in the second and third years, of candidates for the degree of M.D. Professor PEABODY

2—The clinical instruction in therapeutics is given in the New York and Roosevelt Hospitals, once a week for three months at the New York Hospital, once a week for two months at the Roosevelt Hospital, and is recommended, in the third and fourth years, to candidates for the degree of M.D. Professor PEABODY

## Mathematics

J. HOWARD VAN AMRINGE, Ph.D., L.H.D., LL.D.....*Professor*
THOMAS SCOTT FISKE, Ph.D.....*Professor*
† FRANK NELSON COLE, Ph.D.....*Professor*
JAMES MACLAY, C.E., Ph.D.....*Adjunct Professor*
CASSIUS JACKSON KEYSER, Ph.D.....*Instructor*
HENRY BEDINGER MITCHELL, E.E., A.M.....*Tutor*
† EDWARD KASNER, Ph.D.....*Tutor*
GEORGE HERBERT LING, Ph.D.....*Tutor*
† WILLIAM FINDLAY, Ph.D.....*Tutor*
DAVID H. POLLARD, A.B.....*Assistant*
† GRACE ANDREWS, Ph.D.....*Assistant*
CHARLES SAVAGE FORBES, A.B.....*Assistant*

† On Barnard College Foundation.

### Courses

**A**—Geometry, algebra, and trigonometry—Volumetric and spherical geometry (Davies's *Legendre*, Books 6–9); algebra, including the arithmetical and geometrical progressions, undetermined coefficients, and the elementary principles of logarithms (Wells's *College Algebra*); trigonometry, including the use of tables of logarithms and the solution of plane triangles. 3 hours. Professor MACLAY, Dr. KEYSER, Mr. MITCHELL, and Dr. LING

Prescribed for freshmen in the College who did not offer advanced mathematics at entrance.

**1**—Trigonometry—Analytical and spherical trigonometry, and mensuration (Davies's *Legendre*); applications to algebra, imaginary numbers. 3 hours, first half-year. Professor FISKE

Open to students in the College who have taken Course **A**, or who offered advanced mathematics at entrance

**2**—Advanced algebra, including permutations and combinations, probability, and the general theory of equations (Wells's *College Algebra*). 3 hours, second half-year. Professor FISKE

Open to students in the College who have taken Course **1**.

**3**—Trigonometry and algebra—Trigonometry (as in Course **1**) and algebra (as in Course **2**). 5 hours, first half-year. Professor MACLAY, Dr. KEYSER, Mr. MITCHELL, and Dr. LING

Open to students in the College who have taken Course **A**, or who presented advanced mathematics at entrance. Prescribed for all first-year students in the School of Mines, School of Chemistry, and School of Engineering.

**4**—Analytical geometry—The equivalent of Wentworth's *Analytical Geometry*. 5 hours, second half-year. Professor MACLAY, Dr. KEYSER, Mr. MITCHELL, and Dr. LING

Open to students in the College who have taken Course **3**. Prescribed for all first-year students in the School of Mines, School of Chemistry, and School of Engineering.

**5**—Analytical geometry—The equivalent of Wentworth's *Analytical Geometry*. 3 hours. Professor VAN AMRINGE

Open to students in the College who have taken Course **1**.

**6**—Calculus—Osborne's *Differential and Integral Calculus*. 3 hours. Professor VAN AMRINGE

Open to students in the College who have taken Course **4** or Course **5**. Prescribed for second-year students in the School of Mines, School of Chemistry, and School of Engineering.

**7**—Differential equations. 3 hours. Mr. MITCHELL

Open to students in the College who have taken Course **6**.

**101**—Advanced calculus. 3 hours. Professor FISKE

**102**—Theory of functions of a complex variable. 3 hours. Professor MACLAY

[**103**—Riemann's theory of functions, including elliptic functions. 3 hours. Professor COLE

Not given in 1901–02.]

[104—Analytical theory of curves of double curvature and curved surfaces. 3 hours. Professor MACLAY

Not given in 1901–02.]

[105—Theory of Abelian functions. 3 hours. Professor FISKE

Not given in 1901–02.]

106—Theory of groups. 3 hours. Professor COLE

107—Modern theories of geometry. 3 hours. Dr. KEYSER

108—Functions defined by linear differential equations. 3 hours. Professor FISKE

Courses 101-108 are intended primarily for graduate students, men and women, and count toward the degrees of A.M. and Ph.D. Course 101 may be taken by specially qualified seniors in the College, by permission of the Dean.

## Equipment

In the equipment of the department of Mathematics is a large number of models, charts, and instruments. An elaborate set of models illustrates the metric system of weights and measures. A set of about fifty models of elementary solid and spherical geometry is intended to exemplify the demonstrations contained in Davies's *Legendre*. These are made of cherry wood with markings in inlaid ebony, and are of unusually large size. There are several similar models representing the different plane sections of the cone. A series of wooden models, constructed by Schroeder of Darmstadt, illustrates elementary solid geometry, and contains, in addition, examples of all the different forms of the surfaces of the second order. There is a series of models of descriptive geometry, also constructed by Schroeder. The horizontal and vertical projections are traced upon boards solidly joined together at right angles and of convenient size to allow in general the representation of three different models, or of three different views of the same model. The form and construction suggest a division of these models into two classes: (1) the representation in metal of lines and surfaces, adjusted upon axes, the projections of several of their positions being given; (2) the representation of solid bodies in hardwood, including the exhibition of their plane sections in various directions and the intersections of different surfaces and solids.

A collection of models, which was presented to the department by President Low, having been purchased by him from the German University Exhibit at the Chicago Exposition in 1893, illustrates analysis situs, theory of functions of a complex variable, surfaces of higher order, their singularities and curvature, and line-geometry.

A series of charts illustrates the theory of plane algebraic curves, especially those of the fourth order, the resolution of higher plane singularities into equivalent elementary singularities, the expression of functions by means of infinite series and infinite products, and conformal representation by means of algebraic and elliptic functions.

The collection of mathematical works in the Library of the University is especially rich in treatises and in sets of collected works of mathematicians. All the mathematical journals of importance are regularly received, and the Library possesses complete sets of most of them.

## Mechanical Engineering

(See page 96)

## Mechanics

ROBERT SIMPSON WOODWARD, C.E., Ph.D. ..... *Professor*
MICHAEL IDVORSKY PUPIN, Ph.D. ..... *Professor*
JOSEPH CLEMENT PFISTER, A.M. ..... *Instructor*

Courses 3 and 10–18 are open to women on the same terms as men.

*For fuller information as to the scope of the courses in this department, the conditions under which certain of them may be counted toward the higher degrees, the pre-requisites for each course, and the like, consult the Announcement of the Faculties of Political Science, Philosophy, and Pure Science, which may be obtained, without charge, from the Secretary of Columbia University.*

### Courses

1—Analytical mechanics—Particular attention is given to the doctrine of units and dimensions of units, and to problems affording actual applications of principles. 3 hours. Professor WOODWARD

2—Elementary mechanics. Loney's *Elements of Statics and Dynamics* is used as a text. 2 hours. Mr. PFISTER

3—Theoretical mechanics. This requires familiarity with the elements of the differential and integral calculus. Mr. PFISTER

4—Thermodynamics, with special reference to its bearing on the theory of heat engines. 3 hours, second half-year. Professor PUPIN

5—Elementary thermodynamics and hydromechanics. Thermodynamics, 2 hours, first half-year; hydromechanics, 2 hours, second half-year. Mr. PFISTER

6—Theory of dynamo and motor (introductory), covering elements of the theory of electric, magnetic, and electro-dynamic potential, theory of electro-magnetic and electro-dynamic induction, and its application to the theory of an ideal dynamo. 3 hours, first half-year. Professor PUPIN and Mr. TOWNSEND

Required of students in Electrical Engineering.

7—Theory of direct-current dynamo and motor, covering Hopkinson's theory of dynamo and motor designing, and Froelich's method of dynamo and motor testing. 3 hours, second half-year. Professor PUPIN and Mr. TOWNSEND

**8**—Theory of alternators and transformers. 3 hours, first half-year. Professor PUPIN

**9**—Theory of variable currents, particularly the theory of polyphase and of high frequency and high potential currents. 3 hours, second half-year. Professor PUPIN

**10**—Advanced theoretical mechanics—General principles of kinematics, statics, and kinetics; methods of Lagrange, Hamilton, and Jacobi; application of the doctrine of energy to the interpretation of mechanical phenomena. Lectures, 2 hours. Professor WOODWARD

**11**—Theory of the potential function—General exposition of theory; derivation of equations of Laplace and Poisson, and theorems of Gauss, Green, and Stokes; with application to problems in gravitation, hydromechanics, static electricity, and terrestrial magnetism. Lectures, 2 hours. Professor WOODWARD

**12**—Geodynamics—Amount and distribution of the earth's mass; phenomena of precession, nutation, and oceanic tides; variation of density, gravity, and pressure within the earth; thermal properties and secular contraction; mechanics of crumpling and crust movements. Lectures, 2 hours. Professor WOODWARD

**13**—Mathematical theory of elasticity—Analysis of stresses and strains and expression of strains in terms of stresses; discussion of potential energy of strained media and the constants essential to define them; theory of wave motion in elastic media, with applications to sound and light. Lectures, 2 hours. Professor WOODWARD

**14**—Maxwell's theory of electricity and magnetism. Lectures, 2 hours. Professor PUPIN

**14a**—Theory of Bessel's functions and spherical harmonies. Lectures, 1 hour. Professor PUPIN

**15**—Electro-magnetic theory of light—Theory of dispersion, absorption, and polarization. Lectures, 3 hours, first half-year. Professor PUPIN

**16**—Advanced thermodynamics, including its application to thermo-electricity and thermomagnetism, physical chemistry, and caloric engines. Lectures, 2 hours. Professor PUPIN

**17**—Theory of oscillations. 2 hours. Professor PUPIN

**18**—Theory of the conduction of heat in solids; with applications to spheres, cylinders, and parallelopipeds. Lectures, 2 hours. Professor WOODWARD

**19**—Analytical mechanics, abridged course. 2 hours, Mr. PFISTER

**20**—Thermodynamics and hydromechanics, abridged course. 2 hours. Mr. PFISTER

## A—Undergraduate Courses*

| COURSE PRE-REQUISITES | REQUIRED OF | DESCRIPTION AND INSTRUCTORS |
|---|---|---|
| 1—Chemistry 1<br>Physics 1 | Third-year students in Metallurgy, Mining Engineering, and Chemistry. | General metallurgy—Introductory. 3 hours lectures during October, November, and December. Mr. BENTLEY |
| 2—Course 1 | Third-year students in Mining Engineering and Chemistry. | Metallurgy of steel and iron—Shorter course. 3 hours a week during January. Professor HOWE |
| 3— " | Third-year students in Metallurgy and Mechanical Engineering.<br>Fourth-year students in Civil and Electrical Engineering. | Metallurgy of iron and steel—Longer course. 3 hours lectures, second half-year. Professor HOWE |
| 4— " | Fourth-year students in Metallurgy, Mining Engineering, and Chemistry. | Metallurgy of copper. 2 hours recitations during October, November, and December. Professor HOWE |
| 5— " | Third-year students in Metallurgy, Mining Engineering, and Chemistry. | Metallurgy of the other non-ferrous metals. 2 hours recitations during January and through second half-year. Mr. BENTLEY |
| 6—†Courses 3, 4, and 5 | Third-year students in Metallurgy. | Laboratory work—Longer course. 3 afternoons a week, second half-year. Professor HOWE, Mr. BENTLEY, and Mr. QUENEAU |
| 6A—† " " " | Fourth-year students in Mining Engineering. | Laboratory work—Shorter course. 10 afternoons in January. Professor HOWE, Mr. BENTLEY, and Mr. QUENEAU |
| 20— | Students in Metallurgy and Mining Engineering, between third and fourth years. | Summer course in non-ferrous metallurgy. Mr. BENTLEY |
| 21— | Students in Metallurgy and Mechanical Engineering, between third and fourth years. | Summer course in iron and steel. Mr BENTLEY |

*Courses 1, 2 (3 or 4), and 6A together count as a minor for the degree of A.M. or Ph.D.
Courses 4, 5, and 6A together count as a minor for the degree of AM. or Ph.D.
(† Pre-requisite or parallel.)

## Metallurgy

HENRY MARION HOWE, A.M., B.S. ..... *Professor*
WRAY ANNIN BENTLEY, B.S. ..... *Instructor*
AUGUSTIN L. J. QUENEAU, E.M., A.M. ..... *Tutor*

Non-resident lecturers for 1901–1902: James Douglas, LL.D., President of the Copper Queen Consolidated Mining Company; H. O. Hofman, Professor of Metallurgy, Massachusetts Institute of Technology; Joseph W. Richards, Ph.D., Professor of Metallurgy, Lehigh University; Geo. C. Stone, Ph.D., Chief Engineer of the New Jersey Zinc Company; W. B. Devereux, A.M., E.M.; Richard Moldenke, Ph.D.; Edward D. Peters, M.D.; Joseph Struthers, Ph.D.

## Courses

*For fuller description of courses, see the Announcement of the School of Mines, Course in Metallurgy.*

### A—Undergraduate Courses

(See page 130)

### B—Graduate Courses

Special courses, consisting of personal instruction and original experimental investigation, will be arranged for advanced students according to their individual needs and ability. Some of these investigations will be made at metallurgical works into processes in actual use there, others in the metallurgical and analytical laboratories of the department.

The amount of time required for these courses varies, being governed by the rule that a course or courses should occupy 18 hours a week (preparation included) if taken as a major subject, and 9 hours a week if taken as a minor subject, for the degree of A.M. or Ph.D.

Pre-requisites: Courses 1, 3, 4, and 5, or equivalent.

**7**—Advanced course in calorimetry.

—Advanced course in pyrometry.

**9**—Microscopic study of iron, steel, and other metals.

**10**—The heat-treatment of steel and other metals, with determination of the resultant effects on the physical properties.

**11**—The formation-points, melting-points, and specific heat of slags, and their density and viscosity when molten.

**12**—The influence of strain upon the properties of metals.

**13**—The chemistry of roasting processes, including the expulsion of arsenic and antimony.

**14**—The chemistry of the iron blast furnace.

**15**—The chemistry of basic dephosphorizing processes.

**16**—Search for new and useful alloys.

17—Fire-brick and other refractory materials, their resistance to heat and to corrosion.

18—Electrolytic refining and depositing processes.

19—Wet processes for extracting gold, silver, and copper.

### C—Summer Courses

Two courses of one week each are given at metallurgical works in studying the operations there carried out. The students are given individual and class instruction and are required to make complete descriptions of the various processes, including sketches of furnaces and apparatus. These courses are held in the vacation between the third and fourth years. Course **20,** required of students in Mining Engineering, visits copper, lead, gold, and silver works; Course **21,** required of students in Mechanical Engineering, visits iron and steel works. As the two courses are given at different times, students in metallurgy are required to attend both. Professor HOWE and Mr. BENTLEY

METALLURGICAL EXCURSIONS—During the term the students are taken to the metallurgical establishments in the vicinity of the city, embracing iron blast furnaces, and Bessemer, open-hearth, and puddling works, the smelting of lead and copper ores, the Bessemerizing of copper matte, the refining of copper by furnace and electrolytic methods, the desilverizing of base bullion by zinc, and the parting and refining of gold and silver by both electrolytic and acid methods.

### Equipment

LECTURE DIAGRAMS—There is an important collection of large lecture diagrams, prepared with great care, and many of them colored, illustrating the various metallurgical furnaces and appliances, and also showing graphically the sequence of operations in many metallurgical processes, and illustrating these processes in a realistic way.

In addition the lectures are illustrated, not only by the models referred to below, but more especially by actual demonstrations, as, for instance, in the heat-treatment of metals, in the wet metallurgical processes, in the rolling of metals, for which purpose a small roll-train is used, and in other like ways.

MODELS AND DRAWINGS—There is an excellent collection of models of metallurgical apparatus, furnaces, Bessemer converters, roll-trains, etc., and a very large number of detailed drawings, most of them copied from the working drawings of establishments in actual operation.

METALLURGICAL COLLECTION—There is a collection of about 3000 specimens of ores, slags, metals, fuels, refractory materials, and the intermediate and final products of the more important metallurgical processes. Suites of specimens of great educational value, either pre-

pared in the laboratories of the department or given to it, are added constantly.

Microscopic Specimens—Microscopic sections of metals and alloys, and photomicrographs of them, are prepared by the department and received by gift and exchange, and are rapidly forming a valuable collection, especially important to students of the micrography of metals.

Analytical Laboratory—The department has an analytical laboratory open to the students in metallurgy.

Metallurgical Laboratory—In order to enable the student to carry out metallurgical processes on an illustrative scale, this laboratory is equipped with furnaces for roasting, for heating, and for melting in large and small crucibles, apparatus for electrolytic, chlorination, amalgamation, and other hydro-metallurgical processes, a full-sized cupola furnace, and an English cupelling furnace for cupelling and for "bringing forward" and refining copper.

For high-temperature investigations the laboratory already has several special furnaces, and a large furnace heated by electricity.

This laboratory has also a collection of the various modern calorimeters, of calorimetric, optical, photometric, and several thermo-electric pyrometers, including an autographic attachment; power-driven rolls for studying the rolling of metals; apparatus for analyzing furnace gases, and equipment for preparing sections of metals; lathes, grinders, polishers, microphotographic cameras, and several excellent microscopes especially adapted for examination of opaque objects; a sclerometer, and many other valuable instruments.

Of these, the Le Chatelier pyrometers and the apparatus for the microscopic study of metals are found especially useful, and much attention is given to them.

## Mineralogy

Alfred J. Moses, E.M., Ph.D.....*Professor*
Lea McI. Luquer, C.E., Ph.D.....*Instructor*
J. S. McCord, B.S.....*Assistant*

### Courses

1—Blowpipe analysis—The tests for 40 elements and the qualitative analysis of minerals, alloys, and slags. 4 hours a week laboratory, one half-year. Professor Moses, Dr. Luquer, and Mr. McCord

Required of first-year students in the Schools of Mines and Chemistry. Open to students in the College who have taken Chemistry 1.

2—Crystallography — General characters, laws, forms, simple measurements, and calculations. 2 hours lectures and conferences, one half-year. Professor Moses

Required of first-year students in the Schools of Mines and Chemistry. Open to students in the College who have taken Physics 1.

**8**—Physical crystallography—Short laboratory course in determination of physical characters of crystals. 1 hour lecture, 1 hour laboratory, one half-year. Professor MOSES

Required of third-year students in Organic Chemistry. Pre-requisite: Course 2, or equivalent.

**3**—General mineralogy—A short introductory course. 2 hours lectures, 1 afternoon laboratory. Professor MOSES

Open to students in the College who have taken Chemistry 1 and Physics 1.

**4**—Descriptive and determinative mineralogy—Study of 200 important species, their properties, uses, and methods of determination. 2 hours lectures, 3 hours laboratory, second half of first year and first half of second year. Professor MOSES and Dr. LUQUER

Required of first- and second-year students in the Schools of Mines and Chemistry. Open to juniors and seniors in the College and to candidates for the degree of A.M. or Ph.D., in their first year, whose minor subject is Mineralogy. Pre-requisites: Courses 1 and 2.

**5**—The minerals of building-stones—Study of common species, their properties, methods of determination, and their economic effect on building-stones. 2 hours lectures, and conferences. Dr. LUQUER and Mr. MCCORD

Required of second-year students in the course of Civil Engineering. Open to students in the College who have taken Chemistry 1, and to candidates for the degree of A.M. as a half-minor course.

**6**—Optical mineralogy—Principles, apparatus, and distinguishing characters of minerals in thin sections. 2 hours lectures and 1 afternoon for two months. Dr. LUQUER

Required of second-year students in the School of Mines. Open to candidates for the degree of A.M. as a half-minor course, supplementing Course 5, and to students in the College. Pre-requisite: Course 5, or equivalent.

**7**—Optical mineralogy—Longer course, including principles, apparatus, and distinguishing characters of minerals in sections; determination of optical constants; study of microstructure; microchemical tests; separation of constituents and preparation of sections. 8 hours for one year. Dr. LUQUER

Open to candidates for the degree of A.M. whose major subject is Mineralogy, and to candidates for the degree of Ph.D. whose minor subject is Mineralogy. Pre-requisite: Course 3, or equivalent.

**9**—Physical crystallography—Optical, thermal, electric, and magnetic properties of crystals, with experiments; the geometric form with measurement and delineation; the effects of mechanical forces; theories of structure. 1 hour lecture and 3 hours laboratory. Professor MOSES

Open to candidates for the degree of A.M. as a minor course, and to candidates for the degree of Ph.D. as a half-minor course. Pre-requisite: Course 3, or equivalent.

10—Physical crystallography—Longer course, including study of the crystals of some group. 12 hours for two years. Professor MOSES

Open to candidates for the degree of Ph.D. as a major course. Pre-requisite: Course 3, or equivalent.

11—Mineralogy—Study of assigned group or species. 12 hours for two years. Professor MOSES

Open to candidates for the degree of Ph.D. as a major course. Pre-requisite: Course 3, or equivalent.

NOTE

Course 7 is especially a minor course for geologists, Course 9 a minor course for chemists, and Courses 10 and 11 major courses for mineralogists.

### Equipment

The work of the students in the college courses and in general mineralogy is performed in the blowpipe laboratory, a large room with conference tables and seats for about 75 men, and in the adjoining lecture-room, in which are the student collections of crystal models and minerals. Students in optical mineralogy use a separate room with north light, and for crystal measurements and monochromatic light determinations there is provided a large dark room.

Attached to the department is the Egleston Mineralogical Museum, containing about 30,000 labelled specimens, and including a systematic collection, an economic collection of ores, building materials, and minerals used in chemical industries, a collection illustrating the genesis and alteration of minerals, a collection illustrating the character of minerals, and small collections of artificial minerals and New York City minerals.

There are, in the lecture and conference room, a separate student collection and a lecture collection. Several thousand unlabelled specimens are used in determinative work. The department possesses also about 1200 sections of minerals and rocks, and 1500 crystal models in wood and glass.

Among the collections of minerals that have been presented to the museum from time to time, the largest is that of Dr. Egleston, consisting of about 5000 specimens. Others that may be mentioned are: the Gillmore collection, made in Paris under the direction of the Abbé Hauy, and presented by the late Gouverneur Kemble of West Point; a collection of Schulsberg (Wis.) stalactites, exhibited at the Sanitary Fair; a fine suite of Russian minerals, presented by the Czar; a collection of American minerals, presented by the late Geo. T. Strong; two of the finest cerussites in the world; the Julien collection of minerals from Chesterfield, Mass.; the collection of Professor How, of King's College, Nova Scotia; and a very valuable collection made by Dr. Egleston in Japan.

In addition, a large number of gifts have been received, and these have been supplemented by careful purchasing and exchanging.

## Mining

HENRY S. MUNROE, E.M., Ph.D. ..... *Professor*
ROBERT PEELE, E.M. ..... *Adjunct Professor*
EDWARD L. KURTZ, E.M. ..... *Instructor*
—— —— ..... *Assistant*

*For a more detailed statement of the scope of the work in Mining the reader is referred to the special announcement of the courses in Mining Engineering and Metallurgy for 1902–03.*

Courses 1 and 2 are required in the second year, 3, 4, 7a, and 11 in the third year, and 5, 6, 7, 8, 9, and 10 in the fourth year, of candidates for the degree of Engineer of Mines.

Courses 3, 4, 7a, and 11 are required in the third year, and 9 and 10 in the fourth year, of candidates for the degree of Metallurgical Engineer.

Course 2b is required in the third year of candidates for the degree of Civil Engineer.

Courses 1, 2, and 2a may be elected by seniors in Columbia College.

All the above courses, 1 to 11, are open to candidates for A.M. and Ph.D. in certain combinations as detailed in Courses 19, 20, 21, 22, and 23.

Courses 12 to 23 are intended as suggestions for lines of advanced study and investigation open to candidates for higher degrees. Courses 12, 13, 14, and 15 may be taken as major or minor subjects for A.M. or Ph.D. Courses 16, 17, 18, 19, and 20 are minors for A.M. Courses 18, 21, and 22 count as major subjects for A.M., and Course 23 counts as a major and one minor for A.M.

With the exception of Courses 4, 5, and 7a, the mining courses are progressive, and must be taken in the order required of regular students. Pre-requisites for Course 1 are the entrance requirements in Mathematics, Chemistry, and Physics. In addition, the pre-requisite or parallel courses for Course 3 are: Mineralogy 3 or 4, and Geology 2 and 3; for Course 6, Civil Engineering 12 and 17; for Course 7, Civil Engineering 5, and Mechanical Engineering 11; for Course 8, Mechanical Engineering 1 and 2; for Courses 9 and 11, Civil Engineering 15. For Courses 4 and 5 the pre-requisite and parallel courses are Physics 1 or 2, Mineralogy 3 or 4, and Mechanics 1 or 2. Courses 4 and 5 are pre-requisite to Courses 15 and 16.

### Courses

1—Excavation and tunnelling. Excavation of earth and rock; mechanical excavators, explosives. Drilling and blasting. Driving and support of railroad and mine tunnels. 3 hours, first half-year. Professor PEELE

2—Boring and shaft-sinking. Earth augers. Deep boring in rock. Drop-tool systems with rods or rope. Diamond drilling. Methods of sinking and lining shafts in rock and soft ground. 2 hours, second half-year. Professor PEELE

2b—Excavation, tunnelling, dredging, boring, and shaft-sinking. A condensed course, based mainly upon Mining 1 and 2. 2 hours, first half-year. Professor PEELE

3—Prospecting, exploration, development, and methods of working. 2 hours. Professor MUNROE

**4**—Ore dressing, milling, and the mechanical preparation of coal. 2 hours. Professor MUNROE

**5**—Ore-dressing laboratory. Mechanical testing of ores and coal by laboratory methods. Working tests with simple dressing apparatus. Adjustment and operation of concentrating machines. Afternoon work for three weeks, second half-year. Professor MUNROE and Mr. KURTZ

**6**—Mine engineering. Surface handling and transportation; transshipment and storing of minerals. Drainage. Water supply. Ventilation. Accidents. 2 hours, first half-year. Professor MUNROE

**7**—Mine plant. Description and critical discussion of the machinery and appliances employed in the equipment of mines; comprising the subjects of hoisting, drainage, ventilation and compressed air plant, coal cutters and underground haulage. 3 hours. Professor PEELE

**7a**—Mine constructions. Building materials, masonry and timber construction, retaining walls, trestles, and ore-bins. 1 hour, second half-year. Professor PEELE

**8**—Design of mine plant and graduating project. As a part of his graduating project each student makes working drawings of specified portions of mine plant. These drawings, together with the descriptions, specifications, and estimates comprised in the project, are made under supervision and advice. 4 afternoons first half-year and 3 afternoons second half-year. Professor PEELE and Mr. KURT

**9**—Mine surveying. 1 hour, second half-year. Professor MUNROE

**10**—Administration, organization, and business management, mine accounts, and cost sheets. Examination and valuation of mines. 1 hour, second half-year. Professor MUNROE

### Summer Course

**11**—The summer course of practical mining is held in June and July, in the vacation between the third and fourth years, and lasts six weeks. Professor PEELE and Assistants

The course of instruction includes three weeks' detailed study of the plant and methods of working at some important mine or mines selected for the purpose; one week mine surveying; one week excursion to other mines and mining regions; and one week geological work, surface and underground.

### Graduate Courses

Special courses, consisting of personal instruction, reading, and experimental investigation, will be arranged for advanced students according to their individual needs and ability. These investigations will be made at mines and dressing works either in connection with the summer school or elsewhere as assigned, with additional work, as

required, in the library and in the laboratories of the department. These courses vary in difficulty and in the amount of time necessary, according as the student is a candidate for the degree of A.M. or Ph.D., and according as he pursues Mining as a major or a minor subject. The time required is governed by the rule that a course or courses should occupy about 18 hours a week (outside reading and study included) if taken as a major subject, and about 9 hours a week if taken as a minor subject. The following are suggested:

**12**—Methods of mining—Critical study of methods used in some mining region, or for a certain class of deposits; output per man, amount of timber and explosive required, and other details affecting cost. Study of conditions as determining choice of method. Determination of loss of mineral in mining. Accidents to men.

**13**—Mining plant—Critical study of rock drilling, or coal cutting, or hoisting, or haulage, or ventilating plant at some mine or mines. Determination of efficiency and conditions affecting same.

**14**—Deep mining—Study of problems of deep mining, vertical versus inclined shafts, hoisting and pumping from great depths, temperature and ventilation, efficiency of labor, rock pressure as affecting methods of mining and timbering.

**15**—Ore dressing—Critical study of some detail of the ordinary dressing methods, crushing, or screening, or classification, or jigging, or slime treatment, or dry concentration, or magnetic separation, or milling of gold or silver ores, or mechanical preparation of coal. Determination of efficiency, and of conditions essential to success.

**16**—Examination of a coal-washing plant, or an ore-dressing plant—4 to 6 weeks' work in the mill and in the laboratory, with conferences.

**17**—Examination of a mineral property, or a mine—4 to 6 weeks devoted to field and underground work in the summer school of practical mining, with conferences at convenience of professor.

**18**—Economic studies in mining—Study of existing conditions affecting the production and cost of some mineral or metal, as, for example, anthracite coal, copper, or gold.

**19**—Mining and ore dressing—Mining **3, 4,** and **5.** 4 hours, with laboratory work and reading as required.

**20**—Mining engineering—Mining **3, 6, 9,** and **10.** 4 hours lectures and reading as required.

**21**—Design of mine plant—Mining **7, 7a,** and **8.** 3 hours and 5 afternoons draughting-room work.

**22**—Design of ore-dressing works—Mining **4, 5, 7a,** and **8,** with 1 hour conference additional, first half-year. 3 hours and 5 afternoons laboratory and draughting-room work.

**23**—Mining—**1, 2, 3, 4, 5, 6, 7, 7a, 8, 9, 10, 11,** being all the undergraduate courses in the department of Mining.

## Equipment

LECTURE ILLUSTRATIONS—The lectures on mining are illustrated by over 40,000 blue prints from negatives made for the purpose. These prints are collected in scrap-books illustrating the different courses of lectures, and each student has the use of one of these books for reference during the lecture, and for home study. These blue prints have many advantages over the usual form of lecture illustrations by lantern-slides or wall diagrams. The latter are, however, used when necessary to supplement the blue prints.

MINING LIBRARY—The University Library contains complete sets of the transactions of all mining, metallurgical, and engineering societies, and of the more important periodical publications on these subjects. There is also a large and complete collection of books on mining, and all new publications of value are added as they appear. In addition, a small departmental library has been created, which is accessible to students at all times.

MINING MUSEUM—The subject of mining is illustrated by collections as follows: Maps of coal and metal mines of this and other countries. Working drawings, diagrams, and photographs of mine plant, and of mining and dressing machinery. Models of mines and parts of mines and of mine plants. Mining tools: picks, shovels, hammers, drills, blasting apparatus, lamps, safety-lamps, anemometers, hand-power and machine drills. Ores and dressing products from typical works in this and other countries. Surveying instruments: geological compasses and clinometers, attraction compasses, dipping needles, hanging compasses and arcs, transits, lamp signals, rods, and apparatus for plumbing and measuring shafts.

Among the more notable exhibits are large relief models of two mines of the Cleveland Cliffs Iron Mining Co. of Michigan, a similar model of the Saratoga gold mine in Colorado, a set of three glass models and two relief models of the Copper Queen mine in Arizona, and a glass model of the Calumet and Hecla and Tamarack copper mines. There is also a large model of the St. Joseph Lead Co.'s dressing works at Bonne Terre, Missouri.

A very complete collection of working drawings of mine plant, and an unusually large collection of underground photographs, taken by magnesium light, are worthy of particular notice.

MINING LABORATORIES—Seven large rooms in the basement and sub-basement of Engineering are equipped as laboratories for the Department of Mining. These laboratories are not intended to replace the careful study of mining methods and of the operations of ore dressing at the mines and dressing works in connection with the summer school of mining, but are intended to supplement such study, and in particular to afford opportunities that cannot be obtained at the mines.

MINES AND DRESSING WORKS—Numerous coal, iron, and other

mines, slate and stone quarries, and metallurgical works are easily accessible from New York in from one to four hours by rail; magnetic iron mines in New York, New Jersey, and Pennsylvania; hematite mines and stone quarries in the same states and in Connecticut; anthracite mines in Pennsylvania; and zinc mines in New Jersey and Pennsylvania. New York and adjacent states produce each year more than half the pig-iron and coal, and over one-third of the total value of the mineral product of the whole country. New York City is the headquarters of numerous corporations operating mines and metallurgical works in this and other countries, and is one of the most important mining centres of the world. Within a radius of one hundred miles of New York City may be studied the best practice in mining and metallurgy under most varied conditions, and the most modern and effective mining and dressing machinery and smelting plants in the country. By going a little farther, one may reach the bituminous coal fields and the natural gas, oil, and salt regions in one direction, and the pyrites deposits and granite and marble quarries in Vermont in the other; while the excursions of the summer class in mining extend as far as the iron, copper, zinc, lead, silver, and gold regions of Michigan, Missouri, Montana, and Colorado.

## Music

EDWARD ALEXANDER MACDOWELL, Mus. Doc. . . . . *Professor*
LEONARD BEECHER MCWHOOD, A.B. . . . . *Tutor*
GUSTAV HINRICHS. . . . . *Conductor*

The courses in this department fall into four divisions: the technique of musical composition, general musical culture, musical dictation, and practical training in orchestral and choral music. The aim of the technical courses is to teach music theoretically and scientifically with a view to training musicians competent to teach and to compose. In the general courses, music is treated historically and æsthetically as an element of liberal culture; the technical side of the art is explained, and the lectures are supplemented by illustrations and analysis.

### Courses

1—General musical culture—The origin of music and its relation to speech and the emotions. Primitive music and instruments. The history of music from the earliest times up to the 19th century. Acoustics; form; analysis; musical instruments in use up to the present century, with practical illustrations. 1 hour. Professor MACDOWELL

2—General musical culture—This course, which is a continuation of Course 1 treats of the development of forms, the song, romanticism, instrumental development and the composers for piano-forte, the

virtuoso, modern orchestration and symphonic forms, the music drama, impressionism versus absolute music, and color versus form, the relationship of music to other arts, musical criticism. 1 hour. Professor MacDowell

Courses 1 and 2, while outlining the purely technical side of music, aim at giving a general idea of it from its historical and æsthetic side. They are open to all students.

3—Harmony—This course treats of general theory, harmony, chords and their mutual significance, altered chords, suspensions, modulation, and analysis. 2 hours. Lectures and class-work. Mr. McWhood

Open to all students.

4—Counterpoint—This course treats of counterpoint, canon, fugue, and analysis. The first half-year is confined to vocal writing; the second half-year includes instrumental writing. 2 hours. Lectures and class-work. Professor McDowell

Open to all students who have taken Course 3, and to such persons, otherwise qualified, as can demonstrate to the Professsor of Music, by examination or otherwise, that they are competent to profit by it.

5—Orchestration—This course treats of free composition, analysis, instrumentation, and symphonic forms. 2 hours. Lectures and class-work. Professor MacDowell

Open to all students who have taken Course 4 and Course 11, and to all persons, otherwise qualified, who can demonstrate to the Professor of Music, by examination or otherwise, that they are competent to profit by it.

6—Musical dictation—Melodic and rhythmic dictation, and the beginning of harmonic dictation. 1 hour. Mr. McWhood

Open to all students.

7—Practical composition—This course treats of free harmony and the practical composition of music. It may be considered as a continuation of Course 3. 1 hour. Professor MacDowell

Open to all students who have taken Course 3, and to such persons, otherwise qualified, as can demonstrate to the Professor of Music, by examination or otherwise, that they are competent to profit by it.

8—University chorus. 2 hours. Mr. Hinrichs

9—University orchestra. 2 hours. Mr. Hinrichs

Courses 8 and 9 do not count toward a degree; they are open, without fee, to all properly qualified students.

10—Musical dictation, advanced. This course treats, especially, of harmonic dictation. 1 hour. Mr. MacWhood

Open to students who have taken Courses 3 and 6, and to others equally qualified.

11—Free composition, advanced course. This course, which is a continuation of Course 7, should be taken in connection with Course 4. A thorough knowledge of harmony and some experience in composition are required. 1 hour. Professor MacDowell

Open to students who have taken Course 7, and to others equally qualified.

### Equipment

A collection of music and of books of reference is placed at the disposal of students. It includes many orchestral and opera scores, the piano-forte classics, and vocal music, besides many theoretical, historical, and biographical works. The department has also a collection of instruments for the use of students participating in the university orchestra.

## Neurology

M. Allen Starr, M.D., LL.D.....*Professor*
Frederick Peterson, M.D.....*Chief of Clinic, Clinical Lecturer on Mental Diseases*
Pearce Bailey, M.D.....*Instructor*

*Clinical Assistants*

C. E. Atwood, M.D.,
R. H. Cunningham, M.D,
S. P. Goodhardt, M.D.,
Smith Ely Jelliffe, M.D.,
B. E. Krystall, M.D.,
L. M. Gibson, M.D.,
Stuart Hart, M.D.,
G. E. Neuhaus, M.D.,
Walter Timme, M.D.,
E. L. Hunt, M.D.,
J. E. Clark, M.D.
Arthur B. Wright, M.D.

### Courses

1—Didactic lectures with lantern demonstration on nervous diseases. 1 hour, five months for two years. Professor Starr

[Brain, 1901. Spinal Cord and Nerves, 1902.]

2—Clinical lectures. 1 hour, F., 2 P.M. Professor Starr

3—Section teaching—Practical neurology. Ten lessons. Dr. Peterson and Dr. Bailey

4—Clinics on insanity. 4 hours in March. Dr. Peterson

## Normal Histology

(See page 151)

## Obstetrics

Edwin B. Cragin, M.D.....*Professor*
James D. Voorhees, M.D.....*Tutor*
Franklin A. Dorman, M.D.....*Instructor*

### Courses

1—Theory and practice of obstetrics—Lectures. 3 hours, from October 1 to March 15. Professor Cragin

Course 1 is required, in the third year, of candidates for the degree of M.D.; Course 2, in the second year; Course 3, in the fourth year.

2—Recitations and demonstrations. 1 hour for each student in the second year of the curriculum. One sixth of the class receives instruction daily, by recitations and demonstrations, in which specimens and models from the anatomical, physiological, and pathological museums are used. Dr. VOORHEES

3—Practical instruction at the Sloane Maternity Hospital—Members of the graduating class in medicine are required each to attend at this hospital a certain number of cases of labor. For this purpose the students of the fourth year are divided, at the beginning of the academic year, into sections of six, each section remaining on duty for two weeks. Dr. DORMAN

### The Sloane Maternity Hospital

(See Index)

The Sloane Maternity Hospital is situated upon the grounds of the College of Physicians and Surgeons, and the service is under the exclusive direction of the Professor of Obstetrics in the College, the Instructor in Obstetrics being the resident physician.

The wards of the Hospital since its recent enlargement furnish one hundred and sixteen beds, and there are ample accommodations for the house staff, students, and nurses.

The operating-room is equipped with all modern surgical and obstetrical conveniences, and has seating accommodations for fifty-one students.

The number of deliveries averages over twelve hundred a year. These, with the obstetric operations and the subsequent treatment of women and infants, afford invaluable practical experience, such as is offered at no other medical school in this country.

## Ophthalmology

HERMAN KNAPP, M.D. ..... *Professor*
CHARLES H. MAY, M.D. ..... *Chief of Clinic and Instructor*
JOHN HERBERT CLAIBORNE, M.D. ..... *Instructor*
HENRY H. TYSON, M.D. ..... *Clinical Assistant*
WARD A. HOLDEN, M.D. ..... *Clinical Assistant*
JACKSON M. MILLS, M.D. ..... *Clinical Assistant*
EDWARD B. COBURN, M.D. ..... *Clinical Assistant*

### Courses

Courses 1, 2, and 3 are required, in the third year, of candidates for the degree of M.D. Course 4 is optional.

1—Clinical lectures, at the Vanderbilt Clinic, upon the diseases of the eye—In selected cases the diagnosis is made, treatment applied, and minor operations performed before the class.

Before and after the lectures, as opportunity offers, microscopic demonstrations of the pathological histology of the eye are made by Dr. Holden. 1 hour, Tu. at 2 P.M. Professor KNAPP

2—Practical instruction, at the Vanderbilt Clinic, in the use of the ophthalmoscope and oblique illumination. 6 lessons for each student. Dr. MAY

3—Practical instruction, at the Vanderbilt Clinic, in the determination of the acuteness of sight, field of vision, color perception, refraction, accommodation, and motility of the eye. 6 lessons for each student. Dr. CLAIBORNE

4—Hospital clinics in the diseases and the operative surgery of the eye, at the New York Ophthalmic and Aural Institute, 44 and 46 East 12th Street. Wed. from 2 to 3.40 P.M. To these clinics the students are invited in sections. Professor KNAPP

## ORIENTAL LANGUAGES

### Indo-Iranian Languages

A. V. WILLIAMS JACKSON, L.H.D., Ph.D. ..... *Professor*
ABRAHAM YOHANNAN, A.M. ..... *Lecturer*

The courses of instruction in the department of Indo-Iranian Languages are intended to be introductory to the study of comparative philology and of the history of religion, as well as to the study of the history, antiquities, and literature of India and Persia and also of Armenia. The course arranged for beginners in Sanskrit, Indo-Iranian **1**, may be taken with advantage in connection with any of the Latin, Greek, or other linguistic courses.

Courses **1**, **2**, **3**, and **11** are open to all university students (including seniors in Columbia College as well as candidates for higher degrees and special students). In the case of Course **1**, candidates for higher degrees will be required to supplement the study by some additional work that will be assigned, or by taking some kindred course in the department. Course **1** may also be taken as an elective by juniors in the College. Courses **4**, **5**, **6**, **7**, **10**, and **12** are open to advanced students only. Courses **8** and **9** are open to students pursuing one other course in the department.

Courses **1**, **2**, **3**, **4**, and **11** are intended to be given each year. Courses **5**, **6**, **7**, **8**, and **12** form a supplementary series. Two of this series will be given each year according to the requirements of the students in attendance.

Course **9**, on some special Iranian subject, and Course **10**, on Zoroaster and Buddha and their teachings, will be offered every second and third year, respectively.

Course **11** is open to auditors, and to women on the same terms as to men.

### Courses

1—Sanskrit, elementary course. Whitney's *Grammar*, Perry's *Primer*, Lanman's *Reader*. 3 hours. Professor JACKSON

2—Avestan, elementary course—Grammar and reading of texts. Jackson's *Avesta Series: Part I, Grammar; Part II, Texts.* 2 hours. Professor JACKSON

3—Sanskrit, advanced course. First half-year: Dandin's *Dasakumaracarita* with the native Commentary; or a Sanskrit drama. Second half-year. Introduction to the study of the Veda. 2 hours. Professor JACKSON

[4—Avestan, advanced course—Interpretation of texts, antiquities, and literature. Geldner's *Text of the Avesta*. 2 hours. Professor JACKSON

Not given in 1901–02. To be given in 1902–03.]

[5—Pāli, elementary course. E. Muller's *Simplified Pāli Grammar*, Elwell's *Nine Jātakas*. 1 hour. Professor JACKSON

Not given in 1901–02. To be given in 1902–03.]

6—Old Persian cuneiform inscriptions. Spiegel's *Die altpersischen Keilinschriften*, Bartholomae's *Handbuch der altiranischen Dialekte*, Weissbach and Bang's *Die altpersischen Keilinschriften*. 1 hour, first half-year. Professor JACKSON

This course is to run parallel with the advanced Avestan.

7—Pahlavi, introductory course. C. de Harlez's *Manuel du Pehlevi*. 1 hour, second half-year. Professor JACKSON

This course is to run parallel with the advanced Avestan.

8—Sanskrit literature—Lectures on some branch of the literature; rapid reading of assigned texts. 1 hour. Professor JACKSON

[9—Zoroastrian Gāthās—Reading of texts with the Pahlavi and the Sanskrit version. 1 hour. Professor JACKSON

Not given in 1901–02. To be given in 1902–03.]

11—Modern Persian, introductory course. First half-year: Grammar and reading. Salemann and Shukovski's *Persische Grammatik*. Second half-year: Interpretation of Sa'di's *Gulistān*. 2 hours. Mr. YOHANNAN

12—Modern Persian, second-year course. Selections from Firdausi, from Omar Khayyām, and from Hāfiz. 2 hours. Mr. YOHANNAN

### Course in Armenian

1—Principles of the grammar, with selected readings. 2 hours. Mr. YOHANNAN

### Seminar

Indo-Iranian Seminar. 1 hour. Professor JACKSON

### Lectures

A course of afternoon lectures on the literature, antiquities, and religion of ancient India and Persia, open to all students of the University and to auditors, is given during the winter months. Public announcement of the subjects will be made at the time when these lectures are to be delivered.

### Course in the Science of Language

Introduction to the science of language. Professor JACKSON, first half-year; Professor GOTTHEIL, second half-year

This course is open to seniors in the College, and to all university students, men and women alike, and to auditors. It may not be counted toward the degree of Master of Arts or Doctor of Philosophy, except on the basis of special work done in connection with it. It is planned to add in this course a second year of study in which the student shall devote himself to research in the philology of one particular family of languages. In the year 1902–03 Professor Gottheil and Professor Jackson propose to offer advanced courses in Semitic and Indo-Iranian linguistics.

## Semitic Languages

RICHARD J. H. GOTTHEIL, Ph.D. ..... *Professor*
ABRAHAM YOHANNAN, A.M. ..... *Lecturer*

Courses **1, 2, 3, 4, 10, 12, 13, 15, 16,** and **17,** and the seminar, are open to seniors in Columbia College and to university students; Courses **5, 6, 7, 8, 9, 11, 14,** to advanced students only. Courses **1, 2, 4, 10, 12, 13, 15, 16,** are open also to juniors in Columbia College. For Courses **4** and **5** a previous knowledge of Biblical Hebrew is demanded.

Courses **7, 8,** and **9** are given in successive years; Courses **10** and **11** in alternate years; Courses **12, 13,** and **14** in successive years

All the courses in Semitic Languages except the seminar are open to auditors.

### Courses in Hebrew

The course in Hebrew extends over three years. The first year is devoted to the study of the elements; the second, to the study of the syntax and the acquiring of ease in translating from Hebrew into English and from English into Hebrew; the third, to a critical study of one or more books of the Bible.

The attention of students in the College is directed to the fact that it is desirable that those who intend entering a theological seminary after graduation shall have had at least two years' previous training in Hebrew. Opportunity for this training is given the students of Columbia College, Hebrew being an elective in both the junior and senior classes.

1—Biblical Hebrew, elementary course—Davidson's *Introductory Hebrew Grammar*. 2 hours. Professor GOTTHEIL

2—Biblical Hebrew, second course—Rapid reading of selected Psalms in connection with Gesenius's *Hebräische Grammatik* (26th ed.) and Driver's *Hebrew Tenses* (3d ed.). 2 hours. Professor GOTTHEIL

3—Biblical Hebrew, third course—Semitic archæology and its bearing upon the study of the Bible. 2 hours. Professor GOTTHEIL

4—Rabbinical Hebrew—Selected readings from the geographical literature. 2 hours, first half-year. Professor GOTTHEIL

5—Rabbinical Hebrew—Selected readings (in Hebrew and Arabic) from the Jewish philosophical writings of the Middle Ages. 2 hours, second half-year. Professor GOTTHEIL

[6—Rabbinical Hebrew—The newly discovered text of Ecclesiasticus. 2 hours, second half-year. Professor GOTTHEIL

Not given in 1901–02.]

### Courses in Semitic Epigraphy

[7—Interpretation of the Phœnician inscriptions, with an introduction to Semitic palæography and the history of the alphabet. 1 hour. Professor GOTTHEIL

Given in 1903–04]

8—Interpretation of the Aramæan inscriptions of Sinjirli (*Mittheilungen aus den Orientalischen Sammlungen*, Heft xi, Berlin, 1893), and of the *Corpus Inscriptionum Semiticarum*, vol. ii. 1 hour. Professor GOTTHEIL

[9—Interpretation of the Sabæan and Hymyaritic inscriptions contained in the *Corpus Inscriptionum Semiticarum*, vol. iv. 1 hour. Professor GOTTHEIL

Given in 1902–03.]

For Courses **7** and **8**, which are open to advanced students only, a previous knowledge of Hebrew and Aramæan, respectively, is demanded; for Course **9**, a previous knowledge of Arabic.

### Courses in Assyrian

[10—Elementary course—Study of the Syllabary, with readings from selected portions of Abel and Winckler's *Keilschrifttexte zum Gebrauch bei Vorlesungen*, and the study of Delitzsch's *Assyrian Grammar*. 2 hours. Professor GOTTHEIL

Given in 1902–03.]

11—Advanced course—The Babylonian accounts of the creation and flood (Paul Haupt, *Das Babylonische Nimrodepos*, and Fr. Delitzsch, *Assyrische Lesestücke*). Assyrian Syllabaries. 2 hours. Professor GOTTHEIL

### Courses in Arabic

[12—Elementary course—Study of Socin's *Arabic Grammar*, with exercises in translating Arabic into English and English into Arabic. 2 hours, first half-year. Professor GOTTHEIL

Given in 1902–03.]

[13—Second course—Study of Brunnow's *Chrestomathie aus arabischen Prosaschriftstellen*. 2 hours, second half-year. Professor GOTTHEIL

Given in 1902–03.]

14—Third course—Advanced work. First half-year: Interpretation of the Mufassal of Alzamahshari. Second half-year: The modern Arabic dialects of Egypt and Syria. 2 hours. Professor GOTTHEIL

### Courses in Syriac

15—First course. First half-year: Nöldeke's *Syrische Grammatik*, in connection with selected readings from the Peshitta. Second half-year: Interpretations of selected portions of the *Acta Martyrum* (ed. Bedjan). 2 hours. Professor GOTTHEIL and Mr. YOHANNAN

16—Second course. First half-year: Interpretation of Lagarde's *Analecta Syriaca*. Second half-year: Interpretation of the Syriac Grammar *Kethābhā dhesemhē* of Bar Hebraeus. 2 hours. Professor GOTTHEIL

[In case there should be a demand for instruction in Modern Syriac, Mr. Yohannan will make arrangements for a course.]

### Course in Ethiopic

[17—Principles of the grammar and easy readings in connection with Prætorius's *Aethiopische Grammatik*. 1 hour. Professor GOTTHEIL.

Not given in 1901–02.]

### Semitic Seminar

18—The seminar will take up the study of current questions in Semitic philology with special reference to modern methods of linguistic research.

Tu. evening at 8.15.

Attendance at the seminar meetings will be obligatory upon candidates for the degrees of Master of Arts and Doctor of Philosophy whose major subject is in Semitic Languages. The meetings are open also to advanced students one of whose minor subjects is in the department of Semitic Languages.

### Course in Turkish

First half-year: Principles of the grammar, in connection with the study of A. Müller's *Türkische Grammatik* (*Porta Linguarum Orienta-*

*lium*, pars xi). Second half-year: Exercises in Turkish conversation and in the reading of Turkish newspapers. 2 hours. Mr. YOHANNAN

**Courses in Semitic Languages at the Union Theological Seminary**

A detailed announcement of these courses is given in the circular issued by the division of Oriental Languages. Such courses may be counted as part of the work required for the degrees of Master of Arts and Doctor of Philosophy.

**Equipment**

The Columbia University Library (about 300,000 volumes) contains most of the important periodicals which deal with Oriental research, among them the *Zeitschrift der deutschen Morgenländischen Gesellschaft*, *Journal of the Royal Asiatic Society*, *Journal Asiatique*, *Journal of the American Oriental Society*, *American Journal of Philology*, *Transactions of the American Philological Association*, *Wiener Zeitschrift für die Kunde des Morgenlandes*, *Indische Studien*, *Zeitschrift für Keilschriftforschung*, *Zeitschrift für Assyriologie*, *Revue Sémitique*, *Proceedings of the Society of Biblical Archæology*, *Beiträge zur Assyriologie*, *Zeitschrift für Aegyptische Sprache*, *Révue d'Histoire des Religions*, *Révue des Études Juives*, *Orientalische Bibliographie*, *Hebraica*, a complete set of the publications of the various Congresses of Orientalists, *Jewish Quarterly Review*, *Révue d'Assyriologie;* of periodicals of wider range which contain matter of interest to Orientalists, *Zeitschrift für vergleichende Sprachforschung*, Bezzenberger's *Beiträge zur Kunde der Indogermanischen Sprachen*, *Göttingische Gelehrte Anzeiger*, *Indogermanische Forschungen*, *Archiv für Religionswissenschaft;* and many weekly periodicals such as *The Academy*, *Literarisches Centralblatt*, *Philologische Rundschau*, *Révue Critique*. The Library has quite a rich collection of the publications of the learned societies of Europe—*e. g.*, of the Academies of Berlin, Vienna, Leipsic, St. Petersburg, Brussels, Paris, and Rome (Lincei).

The books relating to East Indian and Iranian subjects in the University Library comprise already a good collection of the most important text-editions and works of reference, and additions are constantly being made. In Semitic philology, most of the best works will be found in the Library; care has been taken, especially in Assyriology, to buy all the more important publications. In the Avery Architectural Library, most of the monumental works relating to Eastern art and archæology will be found. Through the generosity of the trustees of Temple Emanuel, the Library now possesses the most complete collection of works in Rabbinical Hebrew to be found in this country. There is also a small collection of Hebrew, Arabic, and Persian MSS., designed for the use of advanced students. The collections of the University Library are supplemented in the most valuable way in all branches of Orientalia by those of the New

York Public Library. A collection of old Babylonian tablets has been added to the department. These, together with the casts of tablets in the Metropolitan Museum of Art, furnish material for those who wish to devote themselves especially to the study of Babylonian and Assyrian.

The library of the Union Theological Seminary, which is accessible to advanced students at Columbia University, contains all the current theological periodicals—*e. g.*, Stade's *Zeitschrift für Alttestamentliche Wissenschaft*, *Theologische Litteratur-Zeitung*, *The Expositor*.

## Orthopædic Surgery

VIRGIL P. GIBNEY, M.D., LL.D.....*Clinical Professor*
ROYAL WHITMAN, M.D.....*Chief of Clinic and Instructor*
LOUIS R. WELZMILLER, M.D.....*Clinical Assistant*
CHARLTON WALLACE, M.D.....*Clinical Assistant*
SHIRLEY E. SPRAGUE, M.D.....*Clinical Assistant*
RUSSELL PEMBERTON, M.D.....*Clinical Assistant*
CHARLES H. JAEGER, M.D.....*Clinical Assistant*

### Courses

Courses 1 and 2 are required, in the fourth year, of candidates for the degree of M.D. Course 3 is optional.

1—Clinic in orthopædic surgery and diseases of the joints at the Vanderbilt Clinic. 1 hour a week. F. at 12. Professor GIBNEY

2—Practical instruction at the Vanderbilt Clinic to classes of 20 members each. 10 lessons. Dr. WHITMAN

3—Operations at the Hospital for Ruptured and Crippled. Tu. 8.30 A.M. Professor GIBNEY

## Otology

ALBERT H. BUCK, M.D.....*Clinical Professor*
WILLIAM COWEN, M.D.....*Chief of Clinic and Instructor*
ROBERT LEWIS, Jr., M.D.....*Instructor*
ALLEN G. TERRELL, M.D.....*Clinical Assistant*
M. L. CARR, M.D.....*Clinical Assistant*
ALFRED MICHAELIS, M.D.....*Clinical Assistant*

### Courses

1—Practical instruction in the diagnosis of the diseases of the ear at the Vanderbilt Clinic. 8 lessons for each student. Sections of ten men each, Mondays and Fridays at 2 P.M. Drs. COWEN and LEWIS

2—Didactic instruction in pathology and therapeutic methods at the Vanderbilt Clinic. 4 lectures for each student. Sections of twenty men each, on Wednesdays at 2 P.M. Professor BUCK

## Pathology

(*Including Pathology, Normal Histology, Bacteriology and Hygiene, Clinical Pathology, and Photomicrography*)

T. Mitchell Prudden, M.D., LL.D. . . . . *Professor of Pathology and Director of the Associated Laboratories*

George C. Freeborn, M.D. . . . . *Instructor in Normal Histology*

Philip Hanson Hiss, Jr., Ph.D., M.D. . . . *Instructor in Bacteriology and Hygiene*

Eugene Hodenpyl, M.D. . . . . *Instructor in Pathology*

Francis C. Wood, M.D. . . . . *Instructor in Clinical Pathology*

John H. Larkin, M.D. . . . . *Tutor in Pathology and Curator of the Museum of Pathology*

Edward Leaming, M.D. . . . . *Instructor in Photography*

Augustus J. Lartigau, M.D. . . . . *Tutor in Pathology and Alonzo Clark Scholar*

Frederick Randolph Bailey, M.D. . . . . *Tutor in the Normal and Pathological Histology of the Nervous System*

Oliver S. Strong, Ph.D. . . . . *Assistant in the Normal Histology of the Nervous System*

D. Stuart Dodge Jessup, M.D. . . . . *Assistant in Clinical Pathology*

John S. Thacher, M.D. . . . . *Demonstrator in Pathological Anatomy*

George P. Biggs, M.D. . . . . *Demonstrator in Pathological Anatomy*

William F. Neumann, M.D. . . . *Assistant in Bacteriology and Hygiene*

Augustus B. Wadsworth, M.D. . . . . *Assistant in Bacteriology and Hygiene, and Alumni Association Fellow in Pathology*

Evan M. Evans, M.D. . . . . *Assistant in Clinical Pathology*

Ernest V. Hubbard, M.D. . . . . *Assistant in Pathology*

Charles W. Crampton, M.D. . . . . *Assistant in Normal Histology*

Charles E. Banker, M.D. . . . . *Assistant in Normal Histology*

James A. Miller, M.D. . . . . *Assistant in Normal Histology*

William W. Miller, M.D. . . . . *Assistant in Normal Histology*

William Cogswell Clarke, M.D. . . . . *Assistant in Normal Histology*

For the convenience of administration, and for the better association of allied themes, the laboratories of Pathology, Normal Histology, Bacteriology and Hygiene, Clinical Pathology, and Photography are grouped together in the Department of Pathology under the direction of the Professor of Pathology.

### Courses

*Further details respecting the following courses are to be found in the special Bulletin of Information of the College of Physicians and Surgeons.*

Course 1 in Normal Histology is required, in the first year, of candidates for the degree of M.D. This course may be elected by seniors in Columbia College.

Course 1 in Pathology, 2 in Normal Histology, and 1 in Bacteriology and Hygiene are required, in the second year, of candidates for the degree of M.D.

Courses 2 and 3 in Pathology are required, in the third year, of candidates for the degree of M.D.

Course 1 in Clinical Pathology is required, in the fourth year, of candidates for the degree of M.D.

Course 2 in Bacteriology and Hygiene may be offered as a minor for one year by candidates for the degree of A.M. or Ph.D. Course 3 in Bacteriology and Hygiene may be offered as a major for one year by candidates for the degree of A.M. or Ph.D.

Courses 4 in Pathology, 3 in Histology, and 2 in Clinical Pathology cannot be counted for a degree, and are only open to qualified graduate students by special arrangement with the head of the department.

### Courses in Pathology

1—Autopsy, technique, and pathological anatomy, at the Presbyterian, New York, St. Luke's, or Bellevue Hospitals, once a week for eight weeks. Drs. HODENPYL, THACHER, BIGGS, and WOOD

2—Practical instruction in general pathology, pathological anatomy and histology, and in the bacteriology of the infectious diseases. 6 hours a week for one half of the academic year. Professor PRUDDEN, and Drs. HODENPYL, LARKIN, LARTIGAU, BAILEY, and HUBBARD

3—Demonstrations in pathological anatomy. 2 hours a week for one half of the academic year. Drs. HODENPYL and LARKIN

4—Pathological anatomy and histology, experimental pathology, bacteriology as applied to medicine, and clinical pathology. Professor PRUDDEN, and Drs. FREEBORN, HODENPYL, WOOD, HISS, and LARTIGAU

### Courses in Normal Histology

1—Practical instruction in general normal histology. 6 hours a week for one half of the academic year. Drs. FREEBORN, BAILEY, CRAMPTON, BANKER, MILLER, CLARK, and W. W. MILLER

2—Practical instruction similar in character and method to that under 1, but embracing as special themes the central nervous system, the skin, and the organs of special sense. 4 hours a week for one half of the academic year. Drs. FREEBORN, BAILEY, STRONG, CRAMPTON, BANKER, and MILLER

3—Practical instruction in microscopic technology. Dr. FREEBORN

### Courses in Bacteriology and Hygiene

1—Practical instruction in bacteriology and hygiene. 6 hours a week for one quarter of the academic year. Drs. HISS, NEUMANN, and WADSWORTH

2—Special laboratory course in advanced bacteriology and bacteriological technique. This course is given but once during the year, and requires attendance at the laboratory for the entire afternoon in January, February, and March. Drs. HISS and WADSWORTH

3—Laboratory course—As under Course 2, with additional study and determination of known species of bacteria; special study of the chemical products formed in the growth of bacteria; practical work in photomicrography and the pursuit of some selected theme for original investigation. Professor PRUDDEN, and Drs. HISS, WADSWORTH, and LEAMING

### Courses in Clinical Pathology

1—Practical instruction in clinical pathology. 6 hours a week for one quarter of the academic year. Drs. WOOD, EVANS, and JESSUP

2—Special laboratory course in clinical pathology. Dr. WOOD

### Photography, Photomicrography, and Skiagraphy

1—Practical instruction is given to a limited number of men in the photographic laboratories of the College, in the technique of photography, photomicrography, and skiagraphy. Dr. LEAMING

### Research

Research in pathology and bacteriology may be pursued in the laboratories of this department by a limited number of graduate students or practitioners of medicine or other advanced workers. Professor PRUDDEN

### Fellowships

For the fellowships open to persons wishing to do special work under the Professor of Pathology, see page 38.

### Museum

The Museum of Pathology is made use of in the work of this department, both for the instruction of medical students and as a place of deposit for specimens showing new and rare forms of lesions.

### Equipment

The Department of Pathology occupied in the autumn of 1895 the large additional space which the new college buildings furnish. The large class-room on the upper floor of the north wing is used, as formerly, for the class in normal histology and in pathology. The fourth floor is devoted to the pathological museum and to a large preparation laboratory, a workshop, cold storage, and the like. The new space is devoted to a general laboratory and to private rooms for instructors and advanced workers in pathology, to undergraduate and to research work in bacteriology and hygiene and clinical pathology, and to a departmental library.

The entire space, new and old, is amply lighted, fully furnished, and equipped with such new apparatus as the rapidly growing sciences of pathology, bacteriology, and closely allied themes require.

## Philosophy, Psychology, Anthropology, and Education

NICHOLAS MURRAY BUTLER, Ph.D., LL.D. ..... *Professor*
JAMES MCKEEN CATTELL, Ph.D. ..... *Professor*
*JAMES HERVEY HYSLOP, Ph.D ..... *Professor*
MOSES ALLEN STARR, M.D., LL.D. ..... *Professor*
FRANZ BOAS, Ph.D. ..... *Professor*
HERBERT GARDINER LORD, A.M. ..... *Professor*
LIVINGSTON FARRAND, A.M., M.D. ..... *Adjunct Professor*
CHARLES AUGUSTUS STRONG, A.B. ..... *Lecturer*
ADAM LEROY JONES, Ph.D. ..... *Lecturer*
JOHN ANGUS MACVANNEL ..... *Lecturer*
HARLAN UPDEGRAFF, A.M. ..... *Assistant*
WILLIAM HARPER DAVIS, A.B. ..... *Assistant*
WILMON HENRY SHELDON, Ph.D. ..... *Assistant*
JAMES EARL RUSSELL, Ph.D. ..... *Professor in Teachers College*
FRANK MORTON MCMURRY, Ph.D. ..... *Professor in Teachers College*
SAMUEL TRAIN DUTTON, Ph.D. ..... *Professor in Teachers College*
PAUL MONROE, Ph.D. ..... *Adjunct Professor in Teachers College*
EDWARD LEE THORNDIKE, Ph.D., *Adjunct Professor in Teachers College*

The courses in this Division (comprising the Department of Philosophy and Education, and that of Psychology and Anthropology) fall into four groups, those on Philosophy, those on Psychology, those on Anthropology, and those on Education. In each group are courses intended primarily for undergraduates. These are best described as introductory courses, and their aim is to furnish a general acquaintance with the main subdivisions of philosophy, psychology, and education as a whole. The courses known as Philosophy **1**, **2**, and **9**, Psychology **A**, **1**, **2**, **3**, and **8**, Anthropology **1**, and Education **1**, **2**, and **3** are of this character. By the use of the historical and comparative methods of study and exposition, students in these courses are introduced to a general survey of their respective subjects. While serving as introductory courses for students proposing to specialize in philosophy, psychology, anthropology, or education, these courses are particularly recommended to those students of law, medicine, political science, natural science, or theology who wish to acquire some knowledge of philosophy, psychology, anthropology, and education as part of a liberal education, or as supplemental to their own special lines of study. College students wishing to follow these courses are recommended to take Psychology **A** in the sophomore year, Psychology **1** in the junior year, and Philosophy **1**, Education **2**, and a course in psychology and in anthropology in the senior year.

The remaining courses in each group are intended primarily for advanced students. These courses may be taken only by those who have

* Absent on leave

had the introductory courses, or their equivalent, at some other university. The advanced courses are planned with reference to each other, and a student remaining three years in the Division may pursue courses that cover the entire range of modern philosophy, psychology, anthropology, and education.

Juniors in Columbia College and in Barnard College may elect Education **3**, given at Teachers College, and count the same as part of the work required for the degree of Bachelor of Arts. Seniors may take any of the Education courses that are open to them, and count the same towards the degree of Bachelor of Arts, subject to the usual restriction that not more than six hours per week of elective work may be taken in any one subject.

A select number of advanced students, usually candidates for university degrees, are admitted to the seminars organized for training in research.

All courses offered by this Division, except Philosophy **A**, Psychology **7**, and Anthropology **3**, are open to women on the same terms as to men.

All courses, except Psychology **A** and **7**, Anthropology **3**, the several seminars and research work, are open to auditors on the usual terms.

**Summary**

The following courses count towards the degree of A.B They are open to seniors only (in certain cases only to specially qualified seniors) except Education **3**, and Psychology **1** and **8**, which are open also to juniors.

3 points: Philosophy **1**, Psychology **8**, Education **2**.

2 points: Philosophy **6**, **7**, **8**,* **11**, **12**, **13**, **14**; Psychology **1**, **2**, **11** *; Anthropology **1**, **2**, **4**, **5**; Education **2**, **4**, **6**, **8**, **9**, **11**, **12**, **13**, **16**, **18**, **19**, **21**, **22**, **23**, **25**, **26**, **32**, **34**, **35**, **38**, **39**, **40**.

1½ points: Philosophy **2**, **9**; Psychology **A**; Education **3**, **5**, **14**, **20**, **24**, **27**, **37**.

1 point: Psychology **3**,* **9**; Education **41**.

The following courses may be counted toward the degrees of A.M. and Ph.D.:

Philosophy **1**, **3**, **4**, **5**, **6**, **7**, **8**, **11**, **12**, **13**, **14**, Seminar.

Psychology **2**, **3**, **4**, **5**, **6**, **7**, **11**, **13**, **14**, **15**.

Anthropology **1**, **2**, **3**, **4**, **5**, **6**.

Education **1**, **2**, **4**, **5**, **6**, **8**, **12**, **13**, **16**, **17**, **18**, **19**, **21**, **29**, **30**, **31**, **33**.

*For special information as to the scope of each course, the courses or their equivalents that must have preceded it or must accompany it, as to what credit toward the fulfilment of the requirements for major or minor subjects will be given on the completion of the course, consult the Announcement of the Division of Philosophy and Psychology for* 1902–03. *Students particularly interested in the courses in Education should also consult the Announcement of Teachers College for* 1901–02.

* May count for more points under certain circumstances.

### Courses in Philosophy

**1**—Historical and critical introduction to philosophy — Weber's *History of Philosophy;* Paulsen's *Introduction to Philosophy*—Lectures, conferences, essays, and private reading. This course serves as a general introduction to the study of philosophy, and is pre-requisite to Courses **3, 4,** and **6.** 3 hours. Professor BUTLER, assisted by Drs. MCVANNEL and SHELDON

**2**—Ethics: general course—Lectures, essays, and discussions. 3 hours, second half-year. Professor LORD

**3**—The philosophy of Kant and his successors; Fichte, Schelling, Hegel, Herbart, and Schopenhauer—Lectures, essays, and private reading. 2 hours. Professor BUTLER, assisted by Dr. SHELDON

Alternates with Course **4.**

[**4**—British philosophy from Locke to Herbert Spencer; history and criticism of the association of psychology and the philosophy of evolution. Lectures, essays, and private reading. 2 hours. Professor BUTLER

Not given in 1901–02. Alternates with Course **3.**]

[**5**—Practical ethics—Lectures, private reading, observation, essays, and discussions. 3 hours. Professor HYSLOP

Not given in 1901–02.]

**6**—Epistemology—Lectures, discussions, and essays. 2 hours. Dr. JONES

**7**—Ethics—Advanced course. 2 hours. Dr. JONES

**8**—Principles and problems of æsthetics—Lectures, essays, and discussions. 2 hours. Dr. JONES

9—Logic and scientific method. 3 hours, second half-year only. Professor LORD

**10**—Journal Club—Reports and discussions on contemporary literature. 1 hour. Dr. JONES

**11**—Studies in European philosophy from the Renaissance to the Enlightenment. 2 hours. Dr. SHELDON

[**12**—Practicum—Selected topics in modern philosophy. 2 hours. Professor BUTLER

Not given in 1901–02.]

[**13**—Metaphysics. 2 hours. Professor HYSLOP

Not given in 1901–02. Alternates with Course **6.**]

**14**—Practicum and seminar—The philosophy of Hume. 2 hours. Dr. JONES

### Courses at the Union Theological Seminary

*Philosophy of Religion*

Philosophy of Religion, **A.** 2 hours weekly, first half-year. Professor KNOX

Philosophy of Religion, **B.** 2 hours weekly, second half-year. Professor KNOX

Philosophy of Religion, **C**—Christianity the absolute religion. 2 hours weekly, second half-year. Professor KNOX

Theism: its relation to modern science and idealistic philosophy. 2 hours weekly, second half-year. Professor KNOX

*Ethics*

History of Christian ethics, with special reference to the scholastic development. 2 hours weekly, first half-year. Professor THOMAS C. HALL

Outline of Christian ethics—2 hours weekly, second half-year. Professor THOMAS C. HALL

### Courses in Psychology

**A**—Elements of psychology—James's *Psychology*—Discussions, practical exercises, and recitations. 3 hours, first half-year, given in 4 sections. Professor LORD

A parallel course is given by Professor THORNDIKE at Teachers College.

**1**—Introduction to psychology. 2 hours, lectures and demonstrations. Professors BUTLER, CATTELL, BOAS, STARR, HYSLOP, FARRAND, and THORNDIKE, and Mr. STRONG

The object of this course is to give a summary view of the subject-matter and methods of modern psychology. The ground covered is as follows:

A. Prolegomena to psychology, including a sketch of the history of psychology. Six lectures. Professor BUTLER
B. Physiological psychology. Eight lectures. Professor FARRAND
C. Experimental psychology. Eight lectures. Professor CATTELL
D. Genetic psychology. Seven lectures. Professor THORNDIKE
E. Comparative psychology. Seven lectures. Professor BOAS
F. Pathological psychology. Three lectures. Professor STARR
G. General psychology. Eight lectures. Professor HYSLOP
H. Philosophy of mind. Six lectures. Mr. STRONG

**2**—Experimental psychology, introductory course — Lectures, themes, and demonstrations. 2 hours. Professor CATTELL

**3**—Experimental psychology—Laboratory work. 2 or 4 hours, counting as a 1- or 2-hour course. Professor CATTELL, assisted by Mr. DAVIS

Requisite; Psychology **2**, simultaneously.

**4**—Problems in experimental psychology—Lectures, laboratory work, and reports. Open only to graduate students with previous training. 2 hours. Professor CATTELL

5—Research work in experimental psychology. Open only to graduate students with previous training. Professor CATTELL, assisted by Mr. DAVIS

11—Genetic psychology, advanced course. 2 hours. Professor THORNDIKE

13—Research work in genetic and comparative psychology Professor THORNDIKE

6—Analytic psychology, advanced course—Lectures and private reading. 2 hours, first half-year. Mr. STRONG

14—Philosophy of mind. 2 hours, second half-year. Mr. STRONG

15—Research work in analytic psychology and the philosophy of mind. Mr. STRONG

7—Diseases of the mind and nervous system—Lectures and demonstrations. 1 hour. Professor STARR

8—Physiological psychology, general course—Lectures, demonstrations, and laboratory work. This course is especially recommended to intending students of medicine. 3 hours. Professor FARRAND

9—Abnormal and pathological psychology—Lectures and discussions. 1 hour. To be taken in connection with Course 1 or 3. Professor FARRAND

12—Research work in physiological and abnormal psychology. Professor FARRAND

### Courses in Anthropology

1—Anthropology, general introductory course—Lectures, essays, and discussions. 2 hours. First half-year: physical anthropology and linguistics. Professor BOAS. Second half-year: ethnology. Professor FARRAND

7—Ethnography—Lectures, essays, and discussions. 2 hours. Professor BOAS

2—The statistical study of variation, introductory course—Lectures, essays, and discussions. 2 hours. Professor BOAS

3—Ethnology—Primitive culture—Lectures, papers, and discussions. 2 hours. Professor FARRAND

4—Physical anthropology—Lectures and laboratory work. 2 hours. Professor BOAS

5—American languages—Lectures and discussions. 2 hours. Professor BOAS

6—Anthropological research. Professors BOAS and FARRAND

### Courses in Education

The courses in education, except Course 2, are given primarily under the Faculty of Teachers College.

*For detailed statements of courses, pre-requisites, and the like, see Announcement of Teachers College, copies of which will be sent on application to the Secretary of Teachers College.*

### *History and Philosophy of Education*

1—History of education—Lectures, required reading, reports, and discussions. 2 or 3 hours. Professor MONROE

Required, in the last year of the course, of all undergraduates who are candidates for a diploma.

2—Principles of education—Lectures, essays, required reading, and discussions. 2 or 3 hours. Professor BUTLER, assisted by Dr. MACVANNEL and Mr. UPDEGRAFF

Required of all fourth-year students who are candidates for a diploma in secondary or elementary teaching.

8—Secondary education—Lectures, discussions, and reports. 2 hours. Professors MONROE and RUSSELL

28—Educational classics—Lectures, required reading, and discussions. 2 hours. Professor MONROE

29—Seminar—Historic development of the curriculum of the secondary school—Investigation, research, and discussions. 1 hour. Professor MONROE

### *Educational Administration*

6—School administration—Lectures, essays, and discussions. 2 hours. Professor DUTTON

30—Seminar—Administration of public education in the United States—Investigation and research. 1 hour. Professor DUTTON

[7—National educational systems—Lectures, supplementary reading, and reports. 2 hours. Professor RUSSELL

Not given in 1901–02 and in alternate years thereafter.]

31—Practicum—The professional training of teachers. 1 hour. Professor RUSSELL

### *Genetic Psychology*

9—Child study—Observation, experiments, private reading, and conferences. 2 hours. Professor THORNDIKE

### *Theory and Practice of Teaching in Secondary Schools*

11—Art and drawing—Lectures, conferences, observation, and practical work. 2 hours. Professor CHURCHILL and Mrs. CHAMBERS

12—Biology—Lectures and discussions. 2 hours. Professor LLOYD and Mr. BIGELOW

13—English—Lectures, reading, written work, observation, and practice teaching. 2 hours. Professor BAKER

French 17—See Statement of Department of Romance Languages and Literatures.

16—Geography and geology—Lectures, discussions, and practical work. 2 hours. Professor DODGE and Miss C. B. KIRCHWEY

17—German—2 hours. Mr. BAGSTER-COLLINS

18—Greek—3 hours. Professor LODGE

19—History—Lectures, discussions, observations, and practice teaching. 2 hours. Professor CASTLE

21—Latin 3 hours. Professor LODGE

22—Manual training—Discussions, essays, and supplementary reading. 2 hours. Professor RICHARDS

32—Organization and supervision of manual training—Discussions, essays, and observation. 2 hours. Professor RICHARDS

23—Mathematics—Lectures, discussions, and practical work. 2 hours. Professor SMITH

25—Physical science—First half-year, chemistry; second-half year, physics. Laboratory exercises, observation, and preparation for practice teaching. 2 hours. Professor WOODHULL

*Theory and Practice of Teaching in Kindergarten and Elementary Schools*

3—Applications of psychology in teaching. 3 hours, second half-year. Professor THORNDIKE

4—Critic work and practice teaching—(*a*) Weekly conferences (2 hours) following observation of recitations, combined with (*b*) practice in teaching under supervision. Professor MCMURRY

5—Supervision and critic teaching—Study of practical school work, reports, and discussions. 3 or 4 hours. Professor MCMURRY

10—Primary teaching—Observation, discussion, and lectures. 2 hours. Miss WOHLFARTH

33—The curriculum of the elementary school—Investigation, research, and discussion. 2 hours. Professor MCMURRY, in connection with the heads of departments

34—Kindergarten principles—Discussions, collateral reading, and essays. 2 hours. Professor RUNYAN

35—Kindergarten and primary teaching—Lectures, written reports, and observation in the kindergarten. 2 hours. Miss O'GRADY

36—Kindergarten method and practice—(*a*) Lectures, discussions, and preparation of lesson-plans. 2 hours. Miss O'GRADY. (*b*) Observation and practice in teaching. 4 (8) hours. Professor RUNYAN, Miss O'GRADY, Miss BLAKE

11—Art and drawing—Lectures, conferences, observation, and practical work. 2 hours. Professor CHURCHILL and Mrs. CHAMBERS

14—English in elementary schools—Lectures, recitations, and private reading. 3 hours, first half-year. Professor BAKER

37—Geography in elementary schools—Lectures, discussions, and preparation for practice teaching. 3 hours, first half-year. Professor DODGE and Miss KIRCHWEY

20—History in elementary schools—Lectures, conferences, reference work, observation, and practice teaching. 3 hours, second half-year. Professor CASTLE

24—Mathematics in elementary schools—Conferences, observation, and discussion. 3 hours, second half-year. Professor SMITH

41—Nature study in elementary schools—Lectures and discussions. 2 hours. Miss CARSS

38—Domestic art, introductory course—Lectures, conferences, and practical work. 2 hours. Professor WOOLMAN

39—Domestic art, advanced course—Lectures, conferences, and practical work. 2 hours. Professor WOOLMAN

40—Domestic science—Lectures, conferences, and practical work. 2 hours. Professor KINNE

42—Supervision and critic teaching in domestic science. Conferences and practical work. 2 hours. Professor KINNE

43—Theory and practice of teaching music—Lectures and practical work. 2 hours. Professor FARNSWORTH

**Equipment**

The equipment of the Division is very complete and is constantly being increased. It includes library facilities, laboratories in psychology and anthropology, a school of observation and practice, and the beginnings of an educational museum.

LIBRARY FACILITIES—The library facilities of Columbia University and of the city of New York, for students of Philosophy, Psychology, Anthropology, and Education, are unusually good. The University Library, open daily (except Sunday) for fifteen hours, contains more than 285,000 bound volumes and an equal number of pamphlets, and is being added to at the rate of more than 20,000 volumes annually. Any book needed by an advanced student can usually be bought at once. The collection of books on the history of philosophy is very large, that on Kant and his philosophy being especially complete. Over 800 periodicals are regularly received at the University Library, and among them will be found every journal of importance, American or foreign, dealing with philosophy, psychology, or education. Duplicates of the more important books and journals are placed in the Psychological Laboratory and may be used by students at their convenience.

Students of Psychology will also find much of value in the Library of the Academy of Medicine, 15 West 43d Street, which is open to students free of charge. Students of Anthropology may avail themselves of the extensive collections of the American Museum of Natural History. The Astor and Lenox Libraries are also available for students, when introduced by one of the instructors, on especially favorable terms.

Students of Education have also at their disposal the Bryson Library at Teachers College. This collection now numbers more than 16,000 volumes, and is constantly being enlarged. The main purpose of the library is to afford to special students of Education opportunities for study and research. The library, therefore, consists chiefly of works on education in English, French, and German, including books on philosophy, psychology, anthropology, history of education, school organization, and methods of teaching. In addition to these professional works the library also contains a collection of books on history, literature, biography, geography, travels, art, science, and technology, adapted to the needs of pupils in elementary and secondary schools, with which students of Education and teachers should be familiar.

The Psychological Laboratory—The laboratory, which also provides for the work in anthropology not requiring the collections of the American Museum of Natural History, is in Schermerhorn Hall. This building, "devoted to the advancement of natural science," was erected in 1897 at a cost of over $400,000, and is complete in every respect. The laboratory occupies the eastern half of the second floor and part of the floor immediately above, the rooms being as follows: A lecture-room, seating one hundred students, used also as a general laboratory; a seminar room with a department library, a workshop, a photographic and chemical room, an apparatus cabinet, an anthropometric laboratory, five rooms used as offices and laboratories by the officers of the department, and several research laboratories. Two of these are dark-rooms, specially constructed to exclude sound as well as light, 18 feet high and well ventilated. The laboratory has light from the north and south, is supplied with electric current of both high and low potential, and is in all respects equipped both for instruction and research.

The collection of apparatus has been gradually secured at a cost of over $6,500. It includes: (1) Outfit for making and repairing apparatus, electric motors, etc. A skilled instrument-maker is continually employed, adding greatly to the efficiency of the laboratory. (2) The outfit of an anthropometric laboratory with which freshmen in the college and others are annually tested. (3) The apparatus, preparations, charts, etc., needed for complete courses in experimental and physiological psychology and in anthropology; and (4) the apparatus that has been used or is being used in special researches. A large part of the apparatus has been made especially for the laboratory. It includes five chronographs, one of high speed for measuring very short time, one of low speed for continuous records, and three run by electric

motors, two electric chronoscopes with special improvements, a wheel chronoscope, a gravity chronoscope, and a pendulum chronoscope made for special researches, apparatus for studying the time, extent, and force of movement and the dynamogenic effects of sensations and emotions, sphygmographs, pneumographs, and planchettes, instruments for the study of the sense of time and the perception of space, an Ellis harmonium and Koenig acoustical apparatus, a spectro-photometer, special color-mixers, Auzoux's models, and many other instruments, models, preparations, charts, etc., used in the course of instruction and for research work. The outfit for the courses of instruction is now in large measure secured, and the annual appropriations can be used chiefly for apparatus needed in special researches.

The collections and apparatus in the departments of Zoölogy, Physics, and Physiology, as also of the American Museum of Natural History, are unusually complete and may be used by students of Psychology and Anthropology. There is a thorough equipment of ethnological and anthropological charts and maps, with skulls, casts, and masks of lower races, and material and instruments for work in anthropometry.

Teachers College Schools—For students of Education there is afforded an exceptional opportunity for observation and practice in teaching. This is given in the school of observation, known as the Horace Mann School, and in the experimental school, known as the Speyer School, which are maintained by Teachers College for this purpose. In these schools every phase of school work, including the high school as well as the kindergarten and the elementary school, is to be found in operation. In all these grades there are being worked out, from year to year, in the light of educational theory and of practical experience, the typical educational problems of the day, and the students in Education are made sharers with the Faculty of Teachers College both in the processes and in the results of these investigations. Opportunities for practice in teaching and supervision are afforded to qualified students.

## Physics

Ogden N. Rood, LL.D. ..... *Professor*
William Hallock, Ph.D. ..... *Adjunct Professor*
Herschel C. Parker, Ph.B. ..... *Instructor*
Charles C. Trowbridge, B.S. ..... *Tutor*
Frank L. Tufts, Ph.D. ..... *Tutor*
William S. Day, Ph.D. ..... *Tutor*
George Braxton Pegram, A.B. ..... *Tutor*
William B. Johnstone, C.E. ..... *Assistant*
William W. Comstock, A.B. ..... *Assistant*
Gilbert Tolman, A.B. ..... *Assistant*
Miles R. Moffatt, A.B., B.S. ..... *Assistant*
_____ ..... *Assistant*

## Courses

Courses 1–4, 7–13, are open to properly qualified students in Columbia College. Courses 2, 3, and 4, and the advanced laboratory courses, may be counted toward the higher degrees.

Courses 1 and 3 are required of candidates for the degrees in the Schools of Mines, Chemistry, and Engineering, and Course 31 of first-year students in Medicine.

*For detailed information as to the scope of each course, the text-books used, the courses pre-requisite, and the like, consult the Announcement of the Faculties of Political Science, Philosophy, and Pure Science.*

1—General physics. Light and heat (first half-year). Sound and electricity (second half-year). Lectures and recitations, 3 hours; laboratory, 2 hours. Professor ROOD and Dr. TUFTS

2—Electricity (first half-year). Sound (second half-year). 2 hours lectures; 2 or 6 hours laboratory work. Text-books: Atkinson's Ganot, and Stewart and Gee's *Physics*. Professor ROOD

3—Absolute system of units (first half-year). Lectures on the absolute system of mechanical and electrical units; electrical measurements; the derivation and use of the Watt, Joule, Ampère, Volt, and Ohm.

Exact electrical measurements (second half-year). Lectures on the Farad, Coulomb, and units of electric and magnetic induction.

Electrical and magnetic measurements in the laboratory. 2 hours lectures; 2 to 8 hours laboratory. Professor HALLOCK

4—Light (first half-year). Lectures on the velocity, reflection, refraction, and dispersion of light. Achromatism, optical instruments, the eye, and Young's theory of color. Physical measurements in the laboratory.

Heat (second half-year). Lectures on the expansion of solids, liquids, and gases; on conduction, specific heat, tension of vapors, and radiant heat. Physical measurements in the laboratory. 3 hours lectures; 2 or 4 hours laboratory work. Professor ROOD

5—Modes of designing and constructing optical apparatus (first half-year). 1 hour. Professor HALLOCK

7—Electrical manipulation (first half-year). 1 hour. Theoretical comparison of electrical methods (second half-year). 2 hours. Mr. PARKER

38—Experimental methods of studying atmospheric electricity (second half-year). 1 hour. Dr. TUFTS

8—Undulatory theory of light (second half-year). 2 hours. Professor HALLOCK

31—General elementary physic s(shorter course for students in medicine). 3 hours lectures and 3 hours laboratory work, for a half-year. This course is delivered twice every year. Professor HALLOCK and Dr. TUFTS

**Laboratory Courses**

9—Electromotive force of standard and constant cells
41—Comparison of electrical standards of resistance
32—Absorption of sound by various materials
12—Colorimetry, and absorption spectra
13—Photometry
14—Calibration of Wheatstone bridges
33—Factors of capillarity
16—Determination of index of refraction by special methods
35—Study of the variations of the magnetic field
18—Viscosity of solids
34—Determination of permeability and hysteresis of iron
20—Advanced course in spectrometry
21—Ballistic galvanometer work, inductance
22—Calorimetry
23—Radiant heat
24—Interference of light
25—Polarized light
26—Acoustic determinations
36—Precise determinations with the potentiometer
28—Measurement of low resistance
29—Electrical insulation
30—The use of the microscope
40—Absolute measurements of current and electromotive force
37—Spectral photography

Professors ROOD and HALLOCK, Mr. PARKER, Dr. TUFTS, and Mr. PEGRAM

A laboratory course of five hours per week will be accepted as a minor for the degree of Master of Arts.

Original research, conducted under the direction of Professors ROOD and HALLOCK, is open to properly qualified persons, including candidates for the degree of Ph.D., in their last year, whose major subject is Physics.

The Journal Club of the Department meets fortnightly for the discussion of the current literature of Physics and of reports on special investigations.

**Equipment**

The laboratories and lecture-rooms of the department of Physics occupy four floors of Fayerweather on the eastern side of the University grounds. The building is supplied with all ordinary conveniences, including electricity for power and light, compressed air, and steam. There is a vertical shaft 95 feet high, with gas, electric, and water outlets every ten feet. In the sub-basement a constant-temperature room is placed twelve feet below the surface of the ground. The meteorological instruments presented to the University by President Low are set up with the recording portions in the small library on the first floor, and are connected by an electric cable with the vanes, anemometer, and rain gauge, which, with allied pieces of apparatus, are placed upon an observation platform located on the roof of the building. There are two lecture-rooms, a library and apparatus-room, and a small laboratory on the first floor, while the remaining three floors devoted to the department are occupied by laboratories of different kinds.

The general elementary laboratory includes in its equipment: three linear and three circular dividing engines of different designs; a Geneva Society comparator and dividing engine; a Grunow cathetometer, spherometers, optical levers, calipers, and micrometers of many kinds, eight balances with weights. Specific-gravity apparatus, hydrometers, aerometers, Becker and Jolly balances, standard mercurial barometers, aneroid and Mariott barometers, Kater's and Borda's pendulums, and apparatus for studying elasticity are provided; also monochords, Kundt's dust-figure apparatus, and sets of organ pipes and tuning-forks for the study of sound; thermometers and apparatus for their calibration, zero and boiling points, are supplied; also there is apparatus for determination of coefficients of expansion, for latent and specific heat, and for calorimetry.

The optical rooms are furnished with eight spectrometers of different designs, seven spectroscopes, small telescopes, opera-glasses, microscopes, sets of lenses, prisms, and gratings, goniometers, a sextant, optical benches, photometers, saccharimeters, total reflectometers, and apparatus for colorimetry, polarized light, and spectroscopy.

In the rooms devoted to electricity are eleven galvanometers of various patterns, high and low resistance, ballistic and dampened; electrometers, magnetometers, rheostats and bridges of all types; condensers, batteries, keys, arc and incandescent lamps, ammeters and volt meters, and four standard ohms.

The workshop is furnished with a lathe, planer, grinding head, vises, carpenters' and machinists' benches, and tools for work in metal, wood, and glass.

Advanced students are taught and encouraged to repair, alter, and construct apparatus needed for their special work.

## Physiological Chemistry

RUSSELL H. CHITTENDEN, Ph.D. ..... *Director and Lecturer*
WILLIAM J. GIES, M.S., Ph.D. ..... *Instructor*
ALFRED N. RICHARDS, A.M., Ph.D. ..... *Assistant*
PHILIP B. HAWK, M.S. ..... *Assistant*

### Preliminary Statement

*Detailed reference to the scope of the courses offered in this department may be found in the Announcements of the College of Physicians and Surgeons and of the School of Pure Science.*

Course 1 is required, in the second year, of candidates for the degree of M.D. It is open (1) to first-year students of medicine who have been exempted from chemistry and physics, and who have the requisite knowledge of elementary physiology; (2) also, as an elective, to qualified seniors in Columbia College who have had sufficient chemistry, physics, physiology, and general biology.

Courses 1, 2, and 3 are offered as partial majors or minors for the degree of A.M. or Ph.D. They are open to post-graduate students of medicine.

Candidates for the degree of A.M. or Ph.D. in this department are required to take Course 1.

None of the courses in this department are open to women.

### Courses

1—General physiological chemistry—Given each half-year. Lecture, 1 hour. Professor CHITTENDEN. Combined conference and recitation, 1 hour. Dr. GIES. Laboratory exercises (3), 6 hours. Dr. GIES, Dr. RICHARDS, and Mr. HAWK

2—Laboratory course in advanced physiological chemistry. 6 hours. Dr. GIES

3—Laboratory course in special physiological chemistry. 12 hours. Dr. GIES and Dr. RICHARDS

### Research

The laboratories are open to advanced workers, and for original research under the direction of the officers of the department.

### Equipment

The department of Physiological Chemistry is located at the College of Physicians and Surgeons and possesses four well-equipped laboratories. One large room is arranged for the accommodation of 72 workers at one time. Three smaller rooms are specially fitted up for original investigation by advanced students. The various laboratories are well supplied with all necessary chemical apparatus, balances, steam-baths, constant-level water-baths, thermostats for artificial digestions, microscopes for microchemical work, spectroscopes, polariscope, centrifugal apparatus, and the like; in fact, the department is well equipped with all needful apparatus for routine and research work in physiological chemistry.

## Physiology

*A more detailed statement of the work and equipment of this department may be found in the Spring Announcements of the College of Physicians and Surgeons and the School of Pure Science.*

JOHN GREEN CURTIS, M.D. . . . . *Professor*
FREDERIC SCHILLER LEE, Ph.D. . . *Adjunct Professor and Demonstrator*
ROBERT ALLYN BUDINGTON, A.M. . . . . *Assistant Demonstrator*
NATHAN WILLIAMS GREEN, M.D. . . . . *Assistant Demonstrator*

None of the courses in this department is open to women.

### Preliminary Statement

The work in this department is intended primarily for graduates and for candidates for the degree of M.D. Of the four courses offered none is open to undergraduates except in so far as Course 3 is required of seniors in Columbia College who are taking their first year in medicine.

A knowledge of general biology, such as is offered in the department of Zoölogy, Course 2, or of the first year's work in medicine, is a pre-requisite to the undertaking of work in physiology by a candidate for the degree of A.M. or of Ph.D. No previous work in physiology is required of such a candidate.

Candidates for the degree of A.M. may take Courses 1 and 2, or Courses 3 and 4, or Course 4 with a sufficient amount of prescribed reading, the particular combination of courses selected depending largely on the student's previous training.

Candidates for the degree of Ph.D. are expected to take during their first year Courses 1 and 2, and during their second year Course 4 either with Course 3 or with a sufficient amount of prescribed reading.

Candidates for the degree of M.D. are required to take Course 3 during both their first and their second years.

### Courses

1—General physiology—Lectures, 1 hour. Professor LEE

2—Laboratory course in general physiology. 5 hours. Professor LEE and Mr. BUDINGTON

3—The physiology of man as related to that of other mammals and of lower vertebrates:—This course treats in alternate years of (*a*) the physiology of nutrition and (*b*) the physiology of the muscular and nervous systems and the special senses. Certain introductory lectures are repeated annually. Lectures and demonstrations, 4 hours. Professors CURTIS and LEE and Dr. GREEN

[4—Laboratory course in special physiology. 3 hours. Professor CURTIS

Not given in 1901–02.]

### Research

The laboratory is open for research, under the direction of its officers, to advanced workers.

### Fellowships

For the Alumni Association Fellowships open to persons desiring to do special work in the department of Physiology, see page 38

For the University Fellowships, also open as above, see page 24

### Marine Laboratory

An investigator's room at the Marine Biological Laboratory at Wood's Hole, Mass., has been provided by the University for the use of the department of Physiology. This renders possible, during the summer, researches upon the physiology of the marine fauna.

### Equipment

The department of Physiology possesses:

(1) A laboratory for research and the preparing of demonstrations.

(2) A small laboratory for histological research with special reference to physiological problems.

(3) Two rooms for optical or psychological work or for photography.

(4) Two private laboratories for the professors of the department.

(5) A laboratory for practical instruction.

(6) A room for lectures and demonstrations to limited classes.

(7) Easy access to a large lecture-room specially fitted for experimental teaching.

(8) The Swift Physiological Cabinet, for the accommodation of a specially endowed and very full collection of apparatus of precision, mainly for research.

The physiological journals are accessible at the laboratory to advanced students; also the most important monographs and other books both modern and ancient.

A skilled mechanic is employed to devote his entire working time at the laboratory to the care and improvement of the plant, including the making, altering, and repairing of special apparatus. He also assists in the scientific manipulations.

## Political Economy and Finance

(See page 85)

## Political Philosophy

(See page 116)

## Portuguese and Rumanian

(See page 175)

## Practice of Medicine

FRANCIS DELAFIELD, M.D., LL.D. . . . *Emeritus Professor of the Practice of Medicine*
WALTER B. JAMES, M.D. . . . . *Lecturer on the Practice of Medicine*
FRANK W. JACKSON, M.D. . . . . *Instructor in Medical Diagnosis*
GEORGE ROE LOCKWOOD, M.D. . . . . *Instructor in Medical Diagnosis*
WILLIAM K. DRAPER, M.D. . . . . *Instructor in Physical Diagnosis*
VAN HORNE NORRIE, M.D. . . . . *Instructor in Physical Diagnosis*
ALBERT E. SUMNER, M.D. . . . . *Chief of Clinic and Instructor in Physical Diagnosis*
GEORGE MONTAGUE SWIFT, M.D. . . . . *Instructor in Medicine*
EDMUND L. DOW, M.D. . . . . *Clinical Assistant and Tutor in Medicine*
HENRY A. GRIFFIN, M.D. . . . . *Instructor in Medical Diagnosis*
DAVID BOVAIRD, Jr., M.D. . . . . *Tutor in Medicine*
EVAN EVANS, M.D. . . . . *Tutor in Medicine*
NATHANIEL B. POTTER, M.D. . . . . *Tutor in Medicine*
FRED. SOLLEY, M.D. . . . . *Tutor in Medicine*
ARTHUR M. SHRADY, M.D. . . . . *Clinical Assistant*
ARTHUR R. BRAUNLICH, M.D. . . . . *Clinical Assistant*
CHARLES M. WILLIAMS, M.D. . . . . *Clinical Assistant*

### Courses

Course 7 is required in the second year, Courses 4 and 6 in the third year, Courses 1 and 2 in the third and fourth years, and Courses 3 and 5 in the fourth year, of candidates for the degree of M.D.

Attendance at the hospital clinics (Course 8) is optional in the third and fourth years.

1—The practice of medicine. Didactic lectures. 1 hour a week throughout the academic year. Dr. JAMES

2—Clinical lectures on general medicine at the Vanderbilt Clinic. 2 hours a week throughout the academic year. Professor DELAFIELD and Dr. JAMES

3—Bedside instruction. In the wards of Roosevelt and Presbyterian Hospitals in sections. 6 hours a week for four weeks. Dr. JAMES

4—Physical diagnosis. Practical instruction, in the Vanderbilt Clinic. 24 lessons for each student. Drs. DRAPER, NORRIE, and SUMNER

5—Hospital general diagnosis. 20 lessons, 2 hours each, for each student, in the wards of Bellevue Hospital. Drs. JACKSON, LOCKWOOD, and GRIFFIN

6—Recitations in general medicine. In sections, 2 hours a week throughout the academic year. Drs. BOVAIRD, EVANS, POTTER, SOLLEY

7—Recitations in general medicine. In sections. 1 hour a week throughout the academic year. Dr. DOW

8—Hospital clinics in general medicine.—Roosevelt Hospital. Professor PEABODY and Dr. JAMES

M. at 4 P.M. throughout the academic year.

New York Hospital. Professors PEABODY and BALL. (See Materia Medica and Therapeutics.)

S. at 10.30 A.M. in November, December, January, February, March, and April.

Presbyterian Hospital. Professor KINNICUTT

T. at 4 P.M. and S. at 3 P.M.

## Provençal

(See page 174)

## Psychology

(See page 157)

## Public Law and Jurisprudence

(See page 123)

## Rhetoric and English Composition

(See page 104)

## Romance Languages and Literatures

ADOLPHE COHN, LL.B., A.M. ..... *Professor*
HENRY ALFRED TODD, Ph.D. ..... *Professor of Romance Philology*
CARLO LEONARDO SPERANZA, LL.B., A.M. ..... *Adjunct Professor*
† BENJAMIN DURYEA WOODWARD, Ph.D. ..... *Adjunct Professor*
LOUIS AUGUSTE LOISEAUX, S.B. ..... *Instructor*
CURTIS HIDDEN PAGE, Ph.D. ..... *Lecturer*
† HENRY BARGY, A.M. ..... *Tutor*
DANIEL JORDAN, S.B., Pd.B. ..... *Tutor*
* JOHN DRISCOLL FITZ-GERALD, A.B. ..... *Assistant*
‡ WILLIAM A. NITZE, Ph.D. ..... *Tutor*

The department of Romance Languages and Literatures has charge of all the courses of instruction and research throughout the University, dealing with the various languages that trace their origin to the speech of ancient Rome. To the chief of these languages, the French, Italian, and Spanish, a foremost place is naturally assigned in the work of the department; but special attention is also given, in the more advanced courses, to the remaining members of the family, such as Old and Modern Provençal, Catalan, Portuguese, Rhæto-Romance, and Rumanian, several of which are possessed of noteworthy literary and philological interest.

* Absent on leave. † On Barnard College Foundation.
‡ Partly on Barnard College Foundation.

The department offers: (1) to students in Columbia College, practical instruction in French, Italian, and Spanish, courses in French, Italian, and Spanish literature, and introductory instruction in Romance philology; (2) to students in the School of Philosophy, advanced instruction in literature and in Romance philology, courses in the languages unprovided for in Columbia College, and also instruction of a pedagogical character; (3) to university students at large, and also to auditors, an opportunity to follow special courses; while advanced students in particular may receive the preparation necessary to meet the requirements in French made of every candidate for the degree of Ph.D. One of the aims of the department is to offer at least one course in each of the languages of the Romance group. Although no course in philology proper is offered to members of the lower classes in the College, it may be stated that from the outset care is taken to suggest the significance of the historical development of the language taught, so as to furnish a solid foundation for grammatical knowledge, and to awaken in some portion of the students a taste for philological research.

The courses at present offered are grouped under the following headings: French, Provençal Italian, Spanish, Portuguese, Rumanian, Romance, Philology.

Courses **9** and **10**, under French, are given by Professor BRANDER MATTHEWS of the department of English.

*Full information as to the scope of each course will be found in the Announcement of the department of Romance Languages, which may be obtained without charge from the Secretary of Columbia University.*

### Courses in French

(*a*) *Designed specially for Undergraduates*

**A**—Elementary course. 3 hours. Professor WOODWARD and Mr. JORDAN

Prescribed for freshmen who entered the College without presenting French.

**B**—Elementary course. The work is intended for freshmen who wish to take Course **2** in their sophomore year and is the equivalent of Courses **A** and **1** combined. It is accepted as a substitute for Course **A**. 5 hours. Dr. NITZE and Mr. JORDAN

**1**—Grammar, reading, composition. 3 hours. Professor WOODWARD, Mr. JORDAN, Mr. LOISEAUX, and Dr. NITZE

Open to freshmen and sophomores who have passed the entrance examination in French or taken Course **A**.

**2**—General introduction to the study of French literature. Composition. 3 hours. Professor WOODWARD, Mr. JORDAN, Dr. PAGE, and Mr. BARGY

Open to students, not seniors, who have taken Course **B** or **1**, or its equivalent.

**3**—Historical French. Practice in reading, writing, and speaking French. 3 hours. Professor COHN

Open to students who have taken Course **2**, or its equivalent.

**4**—History of French literature in the seventeenth century 3 hours. Professor WOODWARD and Mr. BARGY

Open to students who have taken Course 2 or its equivalent.

**12**—History of the French language. 3 hours. First half-year. Professor TODD

Open to students who have taken Course 2.

**D**—French conversation. Elementary course. 1 hour. Mr. BARGY

Not counting for the degree.

**E**—French conversation. Advanced course. 1 hour. Mr. JORDAN

Not counting for the degree.

The following courses, with the exception of Course **C**, are open only to students who have taken at least Course **4**, or who can offer a satisfactory equivalent for the work therein described.

*(b) Designed for Seniors and Graduates*

**5**—History of French literature in the eighteenth century, especially Voltaire. 3 hours. Professor COHN

[**6**—History of French literature in the eighteenth century, especially Montesquieu, Rousseau, and the Encyclopedists. 3 hours. Professor COHN and Mr. BARGY

Not given in 1901–02. Will be given in 1902–03.]

[**7**—The literary movement in France in the first half of the nineteenth century. 2 hours. Dr. PAGE and Mr. BARGY

Not given in 1901–02. Will be given in 1902–03.]

**8**—The literary movement in France in the second half of the nineteenth century. 2 hours. Mr. BARGY

**11**—History of literary criticism in France, especially Sainte-Beuve and Brunetière. 2 hours. Mr. BARGY

**13**—Old French. Reading of selected extracts. 2 hours. First half-year only. Dr. NITZE

**14**—Old French. Reading of complete texts. 2 hours. Second half-year only. Dr. NITZE

**15**—Writers of the sixteenth century, especially Montaigne. 2 hours. Mr. LOISEAUX

*(c) Designed specially for Graduate Students*

**C**—Elementary course for university students. 3 hours, first half-year. 2 hours, second half-year. Dr. NITZE

[**9**—The French dramatists of the nineteenth century. 2 hours. First half-year. Professor BRANDER MATTHEWS

Identical with first half of English 41.
Not given in 1901–02.]

**10**—Molière and modern comedy. 2 hours. Professor BRANDER MATTHEWS

Identical with English 42.

16—Critical bibliography of French literature from the sixteenth to the nineteenth century. 2 hours. Professor COHN

[17—Methods of teaching French. 2 hours. Professor COHN
Not given in 1901–02. Will be given in 1902–03.]

Seminar—Special topics in Romance literature. The French drama from 1848 to 1900.

N.B.—For other advanced courses in French language and literature, see under Romance Philology.

### Course in Provençal

1—Old Provençal. 1 hour. Professor TODD

### Courses in Italian

(*a*) *Designed specially for Undergraduates.*

1—Elementary course—Grammar, reading, composition. 3 hours. Professor SPERANZA

Open to all students, not seniors, who have satisfied the requirements in French and German. It may not be taken at the same time with Spanish 1.

(*b*) *Designed for Undergraduates and Graduates.*

[2—Italian literature in the sixteenth century. Composition. 3 hours. Professor SPERANZA

Open only to students who have taken Course 1 or its equivalent.
Not given in 1901–02. Will be given in 1902–03.]

3—Italian literature in the fourteenth and fifteenth centuries, exclusive of the *Divina Commedia*. Composition. 3 hours. Professor SPERANZA

Open only to students who have taken Course 1 or its equivalent.

4—Critical study of Dante's *Divina Commedia*. 2 hours. Professor SPERANZA

(*c*) *Designed specially for Graduate Students.*

5—History of Italian literature—Lectures and private reading. 1 hour. Professor SPERANZA

N.B.—For other advanced courses in Italian language and philology, see under Romance Philology.

### Courses in Spanish

(*a*) *Designed specially for Undergraduates.*

1—Elementary course—Grammar, reading, composition. 3 hours. Mr. LOISEAUX

Open to all students, not seniors, who have satisfied the requirement in French and German. It may not be taken at the same time with Italian 1.

(*b*) *Designed for Undergraduates and Graduates.*

2—Advanced course—Grammar, reading, composition. *Don Quixote* and the age of Cervantes. 3 hours. Mr. LOISEAUX

Open only to students who have taken Course 1 or its equivalent.

[3—Advanced course—Grammar, reading, composition. The Spanish classical drama. 3 hours. Mr. LOISEAUX

Open only to students who have taken Course 1 or its equivalent.
Not given in 1901–02. Will be given in 1902–03.]

(*c*) *Designed specially for Graduate Students.*

4—The origins of Spanish poetry. *El Poema del Cid.* 1 hour. Professor TODD

5—History of Spanish literature—Lectures and private reading. 1 hour. Professor COHN

N.B.—For other advanced courses in Spanish language and philology see under Romance Philology.

*Optional Course*

A—Spanish conversation. 1 hour. Mr. LOISEAUX

The following two courses are open only to graduate students who have a knowledge of French and of at least one other Romance language as well as a reading knowledge of German:

**Portuguese**

1—Books: Lencestre, *La Langue portugaise ;* Camoens, *Os Lusiadas.* 2 hours. Professor TODD

**Rumanian**

1—Books: Candréa, *Grammaire roumaine;* Cionca, *Praktische Grammatik der Romänischen Sprache;* Tocilescu, *Manual de Istoria Română.*

2 hours. Professor COHN.

**Courses in Romance Philology**

(*a*) *Designed for Seniors and Graduates.*

1—Introduction to Romance philology. 2 hours. Professor TODD

(*b*) *Designed specially for Graduate Students.*

Courses 2, 3, and 4 are given in successive years.

[2—The works of Chrétien de Troyes. 1 hour. Professor TODD

Not given in 1901–02. Will be given in 1903–04.]

3—Old French dialects. 1 hour. Professor TODD

[4—The formative elements of Romance speech. 1 hour. Professor TODD

Not given in 1901–02. Will be given in 1902–03.]

Seminar—Special topics in Romance philology. 2 hours. Professor TODD

N.B—Weekly lectures in French, Italian, and Spanish, open to all members of the University, are given by the members of the department and by distinguished European lecturers.

### The Romance Club

The Romance Club consists of all the instructors and advanced students in the department. At its meetings, which take place at stated times,—usually once in two weeks, in room 300, West Hall,—an account is given of the most important articles on the Romance Languages and Literatures in the recent French, English, German, Italian, and Spanish periodicals; new books are discussed, letters from absent instructors and former students in the department are read, etc. The meetings are partly of a social character, and are intended to bring instructors and students into closer personal relations.

### Equipment

The Library of Columbia University is well supplied with French, Spanish, and Italian works, as well as with works upon Romance philology. Its list of periodicals of interest for students in the department is especially rich. The Library has also complete sets of the most important series and collections, such as the Altfranzösische Bibliothek, Romanische Bibliothek, publications of the Modern Language Association, publications of the Société des anciens Textes français, Histoire littéraire de la France, Ausgaben und Abhandlungen aus dem Gebiete der romanischen Philologie, Jahrbuch für romanische und englische Sprachen, etc.

### French Societies

Two societies have been organized for the purpose of fostering the use of the French language among the members of the University, viz., the *Société Française de l'Université Columbia*, which admits only men and the *Société Française de Barnard College*, which admits only women. Joint meetings are held several times in the year by the two societies. They also give performances of French plays. The following plays have been presented in recent years: Scribe and Legouvé, *Bataille de Dames ;* Jules Moinaux, *Les deux Sourds ;* Meilhac and Halévy, *L'Eté de la Saint-Martin.*

## Surgery

William T. Bull, M.D. ..... *Professor*
Robert F. Weir, M.D. ..... *Professor*
Charles McBurney, M.D. ..... *Professor of Clinical Surgery*
Frank Hartley, M.D. ..... *Professor of Clinical Surgery*
Francis H. Markoe, M.D. ..... *Professor of Clinical Surgery*
Bern B. Gallaudet, M.D. ..... *Instructor*
Andrew J. McCosh, M.D. ..... *Clinical Lecturer*
Charles T. Poore, M.D. ..... *Clinical Lecturer*
Robert Abbe, M.D. ..... *Clinical Lecturer*
William B. Coley, M.D. ..... *Clinical Lecturer*
Ellsworth Eliot, Jr., M.D. ..... *Clinical Lecturer and Demonstrator*

LUCIUS W. HOTCHKISS, M.D. ..... *Instructor*
CHARLES N. DOWD, M.D. ..... *Instructor*
JOSEPH A. BLAKE, M.D. ..... *Instructor*
GEORGE E. BREWER, M.D. ..... *Instructor*
CHARLES H. PECK, M.D. ..... *Assistant Instructor in Operative Surgery*
WARREN S. BICKHAM, M.D. ..... *Assistant Instructor in Operative Surgery*
ALFRED S. TAYLOR, M.D. ..... *Assistant Instructor in Operative Surgery*
EDWARD M. FOOTE, M.D. ..... *Chief of Clinic, Instructor*
WALTON MARTIN, M.D. ..... *Instructor*
D. S. D. JESSUP, M.D. ..... *Clinical Assistant*
F. R. COOK, M.D. ..... *Clinical Assistant*
J. C. AYER, M.D. ..... *Clinical Assistant*
H. E. MEEKER, M.D. ..... *Clinical Assistant*
A. S. TAYLOR, M.D. ..... *Clinical Assistant*
WILLIAM P. HERRICK, M.D. ..... *Clinical Assistant*
J. B. CLARK, M.D. ..... *Clinical Assistant*
H. H. PELTON, M.D. ..... *Clinical Assistant*
ROWLAND COX, Jr., M.D. ..... *Clinical Assistant*
ARTHUR H. GARDNER, M.D. ..... *Clinical Assistant*

**Courses**

1—Surgical pathology, general and regional surgery—Didactic lectures. 1 hour. Professors BULL and WEIR

Required, in the third and fourth years, of candidates for the degree of M.D.

2—Clinics in general surgery at the Vanderbilt Clinic. 2 hours, M. and Th. at 12. Professors BULL and WEIR

Required, in the third and fourth years, of candidates for the degree of M.D.

3—Minor surgery and bandaging—Practical instruction at the Vanderbilt Clinic, and the out-patient department, Roosevelt Hospital. 12 lessons for each student. Drs. FOOTE and MARTIN

Required, in the third year, of candidates for the degree of M.D.

4—Practical instruction in minor operative surgery at the Vanderbilt Clinic. 1 lesson per week to each student for two months. Dr. FOOTE

Required in the fourth year, of candidates for the degree of M.D.

5—Operative surgery upon the cadaver—Practical instruction to classes of 20 members each. Each student performs for himself upon the cadaver the principal operations, including the ligation of arteries, amputations, resections, and the removal of parts. Special attention is paid to operations upon the abdominal viscera. 7 to 12 lessons for each student. Professor HARTLEY, Drs. PECK, BICKHAM, and TAYLOR

Required, in the fourth year, of candidates for the degree of M.D.

6—Practical instruction in surgery to classes of 20 members each in the wards of Bellevue Hospital and the Syms Operating Theatre, Roosevelt Hospital. 16 lessons. Drs. GALLAUDET HOTCHKISS, BREWER, and BLAKE

Attendance obligatory in the fourth year.

7—Practical instruction in the surgery of children at St. Mary's Free Hospital for Children, to classes of 20 members once a week for two months for each student. Dr. DOWD

For third-year students, required.

8—Recitations in general and regional surgery. Three recitations per week in the third, and two per week in the fourth year. Dr. ELIOT

Required, in the third and fourth years, of candidates for the degree of M.D.

9—HOSPITAL CLINICS:

Roosevelt Hospital.

Tu. at 3.15 P.M. Professor WEIR

Tu. at 11.45 A.M. from Oct. to Feb. Professor BULL

W. at 11.45 A.M. from Feb. to May. Professor BULL

S. at 3.15 P.M. Professors BULL and WEIR

At the New York Hospital.

S. at 11.15 A.M. from Oct. to Feb. and 3.15 P.M., from Feb. to May. Professors HARTLEY and MARKOE

St. Luke's Hospital.

Th. or F. at 2.30 P.M. Drs. MARKOE and ABBE

Presbyterian Hospital.

Tu. at 3.30 P.M. throughout the academic year. Dr. McCOSH. W. and F. at 2.30 P.M. Dr. ELIOT

Hospital for the Ruptured and Crippled.

Tu. and F., 8.30–9.30 A.M. Professors GIBNEY and BULL and Dr. COLEY

Tu., Th., and S. 1–3 P.M. Dr. WHITMAN

St. Mary's Free Hospital for Children.

Th., 10.30–11.30 A.M. Dr. POORE

Attendance at the hospital clinics of Professors Bull and Weir is required in the third and fourth years. At the other clinics, attendance is optional.

## Zoölogy

EDMUND B. WILSON, Ph.D., LL.D. ..... *Professor*
HENRY F. OSBORN, Sc.D., LL.D. ..... *Da Costa Professor*
BASHFORD DEAN, Ph.D. ..... *Adjunct Professor*
GARY N. CALKINS, Ph.D. ..... *Instructor*
OLIVER S. STRONG, Ph.D. ..... *Tutor*
JAMES H. MCGREGOR, Ph.D. ..... *Tutor*

(Barnard College)

HENRY E. CRAMPTON, Ph.D. ..... *Adjunct Professor*
WILLIAM E. KELLICOTT, B.A. ..... *Assistant*

Detailed information regarding the purpose and scope of the courses and the equipment of the laboratories is given in the circular of information issued by the biological departments, for which application should be made to the Secretary of the University.

Course 1 is open to students under the Faculty of Applied Science and is required of first year mining engineers.

Course 2 is open to juniors and seniors in Columbia College, counting as four (shorter course) or six (longer course) points towards the degree of A.B.

Courses 3, 4, 13, 16, and 17 are open both to seniors in Columbia College and to graduates, and count towards the degree of A.B. as follows. Course 3, six points; Course 4 or 13 (alternates) 3 points; Courses 16 and 17, 2 points each.

Courses 3 to 18 are open to graduates, and may all count towards the higher degrees with the exception of Courses 16 and 17. Course 3, however, may not be counted as part of the major work towards the Ph.D. degree, and may not be counted as graduate work if previously taken as an undergraduate course.

The following are the usual general requirements (given as a guide to students), subject to modification in special cases. A major course for the M.A. degree requires, in addition to the dissertation, the equivalent of two one-day courses for one year; for example, Course 5 (a two-day course), Courses 4 and 8 (one-day courses), or any one of Courses 4, 8, 13, 18 (one-day courses), with any two of Courses 6, 7, 9, 9a, 10 (one-day half-year courses). A minor is approximately one half the major.

A Ph.D. major requires, in addition to the dissertation, a minimum of two one-day courses for two years. A minor is in general equivalent to an M. A. major; but in the case of students who have not taken Course 3 as undergraduates, this course may constitute one half the requirement, the remaining half comprising any one of the full year courses 4, 8, 13, 18, or any two of the half-year courses 6, 7, 9a, 10, 14.

Courses 2 and 3 are given separately at Barnard College; all other courses are open to women, excepting 16 and 17.

### Undergraduate Courses

1—Elementary zoölogy. A systematic and descriptive course having especial reference to extinct forms. It includes a brief review of general principles, and of classification. Lectures and laboratory work. 3½ hours, second half-year. Professor DEAN and Dr. CALKINS

2—Elementary biology (zoölogy). The foundation of all the higher courses. Introductory to morphology and physiology, and to the general principles of biology. A year's course, divided into a shorter (2 lectures, 4 hours laboratory) and a longer (3 lectures, 6 hours laboratory) course, the latter including histology and embryology. Professors WILSON and DEAN, Drs. CALKINS, STRONG, and MCGREGOR

### Intermediate Courses

Pre-requisite: Course 2 (longer) or an equivalent.

3—General zoölogy. General zoölogy, including embryology, of vertebrates and invertebrates; facts and principles of general morphology, classification, development, distribution, evolution, and ecology. An optional course in mamalian dissection may be taken by prospective medical students as part of their work. 3 lectures, 6 hours laboratory work, throughout the year. Professor DEAN, Drs. CALKINS and MCGREGOR

4—Comparative neurology. An introduction to the structure of the brain and nervous system of higher and lower animals with especial reference to the vertebrates. Special training in neurological technique. 1 lecture and at least 4 hours laboratory work throughout the year. Dr. STRONG

13—The human brain and spinal cord. A study of the macroscopic and microscopic structure of the brain, with supplementary examination of the nervous systems of lower forms. Neurological technique, 1 lecture and at least 4 hours laboratory work throughout the year. Dr. STRONG

**16**—Practical histology. Comparative study of tissues and organs with especial reference to histological technique. Supplementary to Course **3**, as additional preparation for courses in medicine or biology. 3 hours a week throughout the year. Dr. STRONG

**17**—Practical embryology. Comparative study of development, especially of vertebrates, with particular reference to embryological technique. Supplementary to Course **3** as additional preparation for courses in medicine and biology. 3 hours a week throughout the year. Under direction of Professors WILSON and DEAN

### University Courses

Pre-requisites: Courses **2** and **3** or an equivalent.

**5**—Comparative zoölogy. This course directly continues the work of Courses **2** and **3**. Critical examination of the morphology and development of vertebrates and invertebrates, with especial reference to problems of classification and phylogeny. 10 hours (2 days) a week throughout the year. Professors WILSON and OSBORN

**5a**—Readings and conferences in Gegenbaur's *Vergleichende Anatomie*. 1 hour a week throughout the year. Professor OSBORN, Dr. MCGREGOR

**6**—General embryology. Critical study of the more general problems of development, with especial reference to cellular and experimental embryology. 1 lecture a week, with reading, conferences, and specially arranged laboratory work, through the second half-year. Professor WILSON

**7**—Cellular biology. Structure and functions of the cell. Cytological technique. 1 day a week through the second half-year. Professor WILSON

**8**—Mammals, living and fossil. A study of the structure, evolution, and classification of the Mammalia. 6 hours (1 day) a week throughout the year. Professor OSBORN

The latter part of this course is given in the American Museum of Natural History.

**9**—Fishes, living and fossil. Morphology and phylogenetic relations of the sub-classes and orders of fishes. 1 lecture a week with demonstrations during the first half-year alternating with **9a**. Professor DEAN

**9a**—Embryology of fishes. Practical study of Bdellostoma, Petromyzon, Squalus, Chimæra, Ceratodus, Acipenser, Lepidosteus, Amia, and Teleosts. 1 lecture a week with demonstrations during first half-year, alternating with **9**. Professor DEAN

**10**—The Protozoa. Classification, morphology, and physiology of unicellular organisms in relation to modern theories of biology. 1 lecture a week with demonstrations during second half-year. Dr. CALKINS

11—Advanced biology. Individual study of special biological problems. Original investigation. The time varies in different cases.

14—Experimental embryology. A survey of the work in the fields of morphogenesis and developmental mechanics. 1 lecture a week during the first half-year. Professor CRAMPTON

15—Sanitary biology. A general study of the Protozoa and other microscopic forms in their relations to sanitary science. Biological examination of drinking waters. Methods and results. Selected readings. Lecture and laboratory work. 3 hours, during the first half-year. Dr. CALKINS

Designed for students in Civil Engineering, Sanitary Science, and Chemistry.

18—Comparative embryology. General facts and principles of animal development, with especial reference to comparative organogeny. 1 day a week throughout the year. Professors DEAN and WILSON

JOURNAL CLUB—Reports and discussions of recent literature by members of the staff, graduate students, and others. 1 hour a week throughout the year. Under direction of Professor WILSON

SEMINAR—Critical discussion of selected topics by members of the staff and graduate students. Subject and time are specially arranged.

UNIVERSITY BIOLOGICAL LECTURES—A course of lectures on general topics, given, as a rule, each year, by members of the staff and eminent specialists from other institutions. These lectures form the basis of the Columbia Biological Series, edited by Professors OSBORN and WILSON

## Laboratories, Library, and Equipment

The lecture rooms, laboratories, and zoölogical library are on the upper floor of Schermerhorn Hall, and comprise a large general undergraduate laboratory, two graduate laboratories, a laboratory for neurology, eight private research-rooms, and rooms for aquaria, preparation, and other special purposes. The laboratory is well equipped with optical instruments and other apparatus, including a large Zeiss projection-lantern, and a carefully selected collection of teaching-preparations and type-forms, to which additions are constantly being made. The departmental library, largely the gift of Charles H. Senff, Esq., embraces full sets of the standard biological works, and a rapidly increasing collection of memoirs and special monographs. Important adjuncts to the work are given by the facilities offered by the American Museum of Natural History, by the marine biological laboratories at Wood's Hole, Mass., Cold Spring Harbor, L. I., and Bay Shore, L. I., and by biological expeditions that are from time to time sent out by the department. Through William E. Dodge, Esq., the University subscribes to one half of the University Table at the Naples Zoölogical

Station. An investigator's table is also held at the Wood's Hole Laboratory, and the John D. Jones scholarship is available at the Cold Spring Harbor laboratory.

Dyckman Fund—The interest of a fund of $10,000, established by Isaac M. Dyckman, Esq., is available annually for the encouragement of biological research, and may be used for special grants to advanced students, investigators, or lecturers, or for purchases of books and apparatus.

# ENTRANCE EXAMINATIONS

## GENERAL STATEMENT

There are no examinations for admission to the Schools of Law, Medicine, Political Science, Philosophy, and Pure Science, or for admission to the graduate courses under the Faculties of Applied Science and Teachers College. For the requirements for admission to these departments see the separate announcements of the Schools and Faculties concerned.

Examinations for admission to Columbia College, Barnard College, Teachers College (Collegiate Course), and the Schools of Applied Science are held twice each year, beginning on the Monday following the second Wednesday in June and on the last Monday in September. In 1902 they will begin on June 16th and September 29th, respectively.

In June, 1902, the entrance examinations of Columbia University will be those of the College Entrance Examination Board of which Columbia University is a member. The examinations in

Advanced Greek,
Advanced History,
Advanced Latin,
Advanced Physics,
Zoölogy,

in which subjects no examinations are at present held by the College Entrance Examination Board, will, however, be conducted by the Columbia University Committee on Entrance Examinations. *Candidates desiring to be examined in any of the above named subjects must file a special application for such examination with the Columbia University Committee on Entrance Examinations at least two weeks before the day on which the entrance examinations begin.*

In September, 1902, the entrance examinations of Columbia University will be conducted by the Columbia University Committee on Entrance Examinations and will be held only at the University. The College Entrance Examination Board at present holds no examinations in September.

## APPLICATION FOR EXAMINATION

Every candidate for examination is required to file an application for examination.

For the examinations in June, 1902, the application must be filed with the Secretary of the College Entrance Examination Board, Post-Office Sub-Station 84, New York, N. Y. Applications for examination in New England, in the Middle States, or in Maryland, must be filed on or before June 9. Applications for examination elsewhere in the United States or in Canada must be filed on or before June 2. Applications for examination in Europe must be filed on or before May 19. Requests for blank forms of application should be addressed to the Secretary of the College Entrance Examination Board and should be accompanied by return postage.

For the examinations in September, 1902, candidates for admission to Columbia College or the Schools of Applied Science should send their applications by mail to the Registrar of Columbia University; candidates for admission to Barnard College should send their applications to the Registrar of Barnard College; and for Teachers College, to the Registrar of Teachers College. Applications must be filed on or before September 22d. Requests for blank forms of application should be addressed to the Assistant Secretary of Columbia University.

### EXAMINATION FEE

Every candidate for examination is required in each year in which he takes examinations to pay an examination fee of $5.00.

Every application for examination in June must be accompanied by this fee in the form of a postal order, express order, or draft on New York, to the order of the *College Entrance Examination Board*.*

Every application for examination in September must be accompanied either by the fee in the form of a postal order, express order, or draft on New York, to the order of *Columbia University* or by the receipt issued by the Secretary of the College Entrance Examination Board for the June examinations of the same year.

In every case a candidate who has paid the examination fee will be furnished with a receipt. This receipt should be carefully preserved. It must be presented by the candidate to the Supervisor in charge of the examinations which he attends as evidence that he is entitled to be admitted to the same.

### DIVISION OF EXAMINATION

A candidate may take examinations in June (but not in September) of the year preceding that in which he proposes to enter the University. Such examinations are known as preliminary examinations. At his preliminary examinations a candidate may, with the approval of his principal instructor, offer any subject or numbered part of a subject (see Definitions of Requirements page 187).

* An examination fee paid to the College Entrance Examination Board for admission to the June examinations does not cover the matriculation fee of Columbia University.

In the year in which he purposes to enter the University, a candidate may divide his examinations between June and September in whatever manner he may wish, and he may offer again in September any subject in which he may have failed at the June examinations.

The results of an entrance examination are allowed to stand to the credit of a candidate for eighteen months, but not longer.

### PLACES OF EXAMINATION

In June, 1902, entrance examinations will be held at a large number of widely distributed points. A complete list of the places of examination may be obtained from the Secretary of the College Entrance Examination Board, Post-Office Sub-Station 84, New York, N. Y.

In September, 1902, examinations for admission to Columbia University will be held only at the University.

### EXAMINATION SUBJECTS

Columbia University recognizes the following examination subjects, which may be offered for admission to one or more of the colleges and schools included in the University, each subject counting for a specific number of points as indicated below:

| | | | |
|---|---|---|---|
| English | 3 | Advanced History | 1 |
| Elementary History | 1 | " Mathematics | 1 |
| " Mathematics | 3 | " Latin | 1 |
| " Latin | 4 | " Greek | 1 |
| " Greek | 3 | " Physics | 1 |
| " French | 2 | Botany | 1 |
| " German | 2 | Chemistry | 1 |
| " Spanish | 2 | Drawing | 1 |
| " Physics | 1 | Physiography | 1 |
| Intermediate French | 1 | Zoölogy | 1 |
| " German | 1 | | |

For a statement as to the combinations of subjects which may be offered by candidates for admission to the several colleges and schools see the Table of Contents.

### TIME-SCHEME OF EXAMINATIONS

In both June and September, 1902, entrance examinations will be conducted at Columbia University. Examinations for men will be held in the Columbia University Gymnasium; and for women, in the Barnard College Theatre.

Candidates taking these examinations must report to the Supervisor, in the examination room, fifteen minutes in advance of the first examination which they are to attend.

**Scheme of Examinations in 1902**

*Monday, June 16th and September 29th*

| | |
|---|---|
| Algebra | 9.15–11.45 |
| German, Elementary | 1– 2.45 |
| Physics, Elementary | 3– 4.30 |
| French, Advanced | 4.30– 6 |

*Tuesday, June 17th and September 30th*

| | |
|---|---|
| Geometry | 9.15–11.45 |
| French, Elementary | 1– 2.45 |
| Chemistry | 3– 4.30 |
| German, Advanced | 4.30– 6 |
| Spanish | 4.30– 6 |

*Wednesday, June 18th and October 1st*

| | |
|---|---|
| Latin, Elementary (Grammar, Composition I, Cicero) | 9.15–11.15 |
| Latin, Elementary (Sight Translation) | 11.15–12.15 |
| History, Elementary | 1.30– 4 |
| German, Intermediate | 4.15– 6 |

*Thursday, June 19th and October 2d*

| | |
|---|---|
| Greek, Elementary (Grammar, Composition I, Anabasis, Sight Translation) | 9.15–11.45 |
| Drawing | 10– 11.45 |
| Latin, Elementary (Vergil's Æneid, Composition II) | 1– 3 |
| French, Intermediate | 3.30– 5.15 |

*Friday, June 20th and October 3d*

| | |
|---|---|
| English | 9.15–11.45 |
| Greek, Elementary (Homer's Iliad, Composition II) | 1– 3 |
| Trigonometry | 3.30– 5.30 |

*Saturday, June 21st and October 4th*

| | |
|---|---|
| Botany | 9.15–10.45 |
| Greek, Advanced | 9.15–11.15 |
| History, Advanced | 9.15–11.15 |
| Physiography | 11.–12.30 |
| Latin, Advanced | 11.30– 1.30 |
| Physics, Advanced | 11.30– 1.30 |
| Zoölogy | 1.30– 3 |

## DEFINITIONS OF REQUIREMENTS*

(Specimen question papers may be obtained from the Registrar upon application.)

### BOTANY† (counting one point)

The candidate should have received training by means of the laboratory method in:

The structure and the more obvious features of the life history of at least ten types among the higher seed plants chosen from the more representative families (*e. g.*, Gramineæ, Liliaceæ, Salicaceæ, Ranunculaceæ, Rosaceæ, Leguminosæ, Cruciferæ, Solanaceæ, Labiatæ, Compositæ). In addition to these, the following types are recommended among the remaining lower groups of plants: pine, *Selaginella*, a fern, a moss (*Polytrichum* or *Funaria*), a leafy hepatic, *Marchantia*, a mildew (*Microsphæra*), an agaric, *Vaucheria*, *Spirogyra*, and a protophyte (preferably *Sphærella*).

Physiology. This work should cover the essential facts concerning irritability, photosynthesis, respiration, digestion, growth, and reproduction.

Ecology. The natural history of plants should receive considerable attention, and the behavior of plants toward environmental factors (especially light and moisture), dissemination, cross and close pollination, and the more important structural and physiological characteristics of plant formations (hydrophytes, halophytes, mesophytes, and xerophytes) should be included.

As evidence of proper laboratory training and of satisfactory work, the note-book of the candidate should be submitted *at the time of the examination.* The note-book must bear the endorsement of the teacher, certifying that it is a true record of the candidate's work. Candidates desiring the return of their note-books should apply for them after the examination to the Assistant Secretary of the University. Note-books for the return of which no application is made will be preserved for one year only.

* The several subjects are stated in terms of units; the unit is a course of five periods weekly throughout an academic year of the preparatory school; the subjects are assigned units in accordance with the time required to prepare adequately upon them for college entrance.

† For a more detailed statement of the requirement in Botany the reader is referred to the definitions of the requirements published by the College Entrance Examination Board. Applications for the pamphlet containing these definitions should be addressed to the Secretary of the College Entrance Examination Board, Post-Office Sub-Station 84, New York, N. Y.

CHEMISTRY (counting one point)

The candidate's preparation in Chemistry should include:

*a*. The study of a standard text-book, to the end that the pupil may gain a comprehensive and connected view of the most important facts and laws of elementary chemistry.

*b*. Instruction by lecture-table demonstrations, to be used mainly as a basis for questioning upon the general principles involved in the pupil's laboratory investigations.

*c*. Individual laboratory work, comprising at least forty exercises.

The following outline includes only the indispensable things which must be studied in the class-room and laboratory. The material is, for the most part, common to all elementary text-books and laboratory manuals. The order of presentation will naturally be determined by each teacher for himself.

OUTLINE.—The chief physical and chemical characteristics, the preparation, and the recognition of the following elements together with their principal compounds: *oxygen*, *hydrogen*, *carbon*, *nitrogen*, *chlorine*, *bromine*, *iodine*, *fluorine*, *sulphur*, phosphorus, silicon, potassium, *sodium*, calcium, magnesium, *zinc*, copper, mercury, silver, aluminum, *lead*, tin, *iron*, manganese, chromium.

More detailed study should be confined to the italicized *elements* (as such) and to a restricted list of compounds such as: water, hydrochloric acid, carbon-monoxide, carbon-dioxide, oxides of nitrogen, nitric acid, ammonia, sulphur-dioxide, sulphuric acid, hydrogen-sulphide, sodium-hydroxide, ammonium-hydroxide.

Attention should be given to the atmosphere (constitution and relation to animal and vegetable life), flames, acids, bases, salts, oxidation and reduction, crystallization, combining proportions by weight and volume, calculations founded on these and Boyle's and Charles's laws, symbols and nomenclature, atomic theory, atomic weights, valency (in a very elementary way), nascent state, natural grouping of the elements, solution ( solvents and solubility of gases and solids and liquids, saturation), strength of acids and bases, conservation and dissipation of energy, chemical energy, electrolysis. Chemical terms should be clearly understood and the pupil should be able to illustrate and apply the ideas they embody. The theoretical topics are not intended to form separate subjects of study, but to be taught only so far as is necessary for the correlation and explanation of the experimental facts.

A list of suitable laboratory experiments is contained in the definitions of the requirements published by the College Entrance Examination Board and may be obtained upon application to the Secretary of the Board, Post-Office Sub-Station 84, New York, N. Y.

LABORATORY NOTE-BOOK.—Every candidate must present *at the time of his examination in chemistry* a note-book in which he has recorded the steps and the results of his laboratory experiments. A candidate

who fails to present such a note-book cannot receive credit for the examination. Each note-book must contain an index of the experiments which it describes and must be endorsed by the instructor, the endorsement being written in ink on the inside of the cover. The endorsement must in effect be as follows:

I certify that this note-book is a true and original record of experiments actually performed by.....
in the chemical laboratory of.....School
during the year 19.... .....
Instructor in Chemistry.

**DRAWING** (counting one point)

A candidate must be able to draw and sketch correctly and with proper shading a simple geometrical figure or a group of geometrical solids, or to sketch a simple piece of machinery or a house with correct construction and accuracy of proportion, with a fair knowledge of the rules of perspective and light and shade as applied in freehand sketching. A candidate must also be able to reproduce from a flat copy with enlargement or reduction in size. For candidates for the School of Architecture, the object to be copied will usually be an ornament—an anthemion or acanthus leaf—or a design of iron scrollwork; for the other Schools of Applied Science, the subject will be chosen from machinery details or geometrical constructions; for Teachers College, from geometrical solids, still life, or simple plant forms.

A candidate who has had a fair amount of training in drawing and wishes to be excused from a formal examination in this subject may at the time of the entrance examinations submit drawings, especially systematic sets of drawings, executed at school. They should be accompanied by a certificate from his teacher to the effect that they are the candidate's own work. If they indicate a satisfactory proficiency, they will be accepted in lieu of the examination. Drawings thus submitted, should be sent to the *Assistant Secretary of Columbia University* at least two weeks before the day on which the examinations begin.

**ENGLISH** (counting three points)

No applicant will be accepted in English whose work is notably defective in point of spelling, grammar, idiom, punctuation, or division into paragraphs.

1. Reading and composition.—The candidate will be required to present evidence of a general knowledge of the subject-matter of the prescribed books, and to answer simple questions on the lives of their authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—

perhaps ten or fifteen—set before him in the examination paper. The treatment of these topics is designed to show the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. In place of a part or the whole of this test, the candidate may present an exercise book,* properly certified by his instructor, containing compositions or other written work done in connection with the reading of the books.

The candidate is expected to read intelligently *all* the books prescribed. He should read them as he reads other books; he is not expected to know them minutely, but to have freshly in mind their most important parts. In preparation for this part of the requirement, it is important that the candidate shall have been instructed in the fundamental principles of rhetoric.

Candidates offering this part of the requirement as a preliminary subject should be prepared on the books prescribed for the year in which they propose to enter the University.

The books prescribed for this part of the examination are as follows:

In 1902: Shakspere's Merchant of Venice; Pope's Iliad, Books I, IV, XXII, and XXIV; The Sir Roger de Coverley Papers in the Spectator; Goldsmith's Vicar of Wakefield; Coleridge's Ancient Mariner; Scott's Ivanhoe; Cooper's Last of the Mohicans; Tennyson's Princess; Lowell's Vision of Sir Launfal; George Eliot's Silas Marner.

In 1903, 1904, and 1905: Shakspere's Merchant of Venice and Julius Cæsar; The Sir Roger de Coverley Papers in the Spectator; Goldsmith's Vicar of Wakefield; Coleridge's Ancient Mariner; Scott's Ivanhoe; Carlyle's Essay on Burns; Tennyson's Princess; Lowell's Vision of Sir Launfal; George Eliot's Silas Marner.

2. Study and composition.—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon the subject-matter, the literary form, and the logical structure. The candidate may be required, in addition, to answer questions involving the essentials of English grammar, and questions on the leading facts in those periods of English literary history to which the prescribed works belong.

In connection with the reading and study of the required books, parallel or subsidiary reading should be encouraged, and a considerable amount of English poetry should be committed to

* Such exercise books should be prepared in accordance with a list of directions, to be obtained by addressing the Assistant Secretary of the University. *Exercise books should be sent to the Assistant Secretary of Columbia University not later than two weeks before the first day of the examinations.* Within ten days the teacher will be informed whether the candidate is, or is not, excused from examination on the books prescribed for reading. Exercise books will *not* be returned to the writers.

memory. The essentials of English grammar should not be neglected in preparatory study.

The books prescribed for this part of the examination are as follows:

In 1902, 1903, 1904, and 1905: Shakspere's Macbeth; Milton's Lycidas, Comus, L'Allegro, and Il Penseroso; Burke's Speech on Conciliation with America; Macaulay's Essays on Milton and Addison.

### FRENCH

#### Elementary (counting two points)

THE AIM OF THE INSTRUCTION.—At the end of the elementary course the pupil should be able to pronounce French accurately, to read at sight easy French prose, to put into French simple English sentences taken from the language of everyday life, or based upon a portion of the French text read, and to answer questions on the rudiments of the grammar, as defined below.

THE WORK TO BE DONE.—During the first year the work should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the inflection of the regular and the more common irregular verbs, the plural of nouns, the inflection of adjectives, participles, and pronouns; the use of personal pronouns, common adverbs, prepositions, and conjunctions; the order of words in the sentence, and the elementary rules of syntax; (3) abundant easy exercises, designed not only to fix in the memory the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (4) the reading of from 100 to 175 duodecimo pages of graduated texts, with constant practice in translating into French easy variations of the sentences read (the teacher giving the English), and in reproducing from memory sentences previously read; (5) writing French from dictation.

During the second year the work should comprise: (1) the reading of from 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches; (2) constant practice, as in the previous year, in translating into French easy variations upon the texts read; (3) frequent abstracts, sometimes oral and sometimes written, of portions of the text already read; (4) writing French from dictation; (5) continued drill upon the rudiments of grammar, with constant application in the construction of sentences; (6) mastery of the forms and use of pronouns, pronominal adjectives, of all but the rare irregular verb forms, and of the simpler uses of the conditional and subjunctive.

Suitable texts for the second year are: About's *Le roi des montagnes*, Bruno's *Le tour de la France*, Daudet's easier short tales, La Bédollière's *La Mère Michel et son chat*, Erckmann-Chatrian's stories, Foa's

*Contes biographiques* and *Le petit Robinson de Paris*, Foncin's *Le pays de France*, Labiche and Martin's *La poudre aux yeux* and *Le voyage de M. Perrichon*, Legouvé and Labiche's *La cigale chez les fourmis*, Malbot's *Sans famille*, Mairet's *La tâche du petit Pierre*, Mérimée's *Colomba*, extracts from Michelet, Sarcey's *Le siège de Paris*, Verne's stories.

**Intermediate** (counting one point)

The Aim of the Instruction.—At the end of the intermediate course the pupil should be able to read at sight ordinary French prose or simple poetry, to translate into French a connected passage of English based on the text read, and to answer questions involving a more thorough knowledge of syntax than is expected in the elementary course.

The Work to be Done.—This should comprise the reading of from 400 to 600 pages of French of ordinary difficulty, a portion to be in the dramatic form; constant practice in giving French paraphrases, abstracts or reproductions from memory of selected portions of the matter read; the study of a grammar of moderate completeness; writing from dictation.

Suitable texts are: About's stories, Augier and Sandeau's *Le gendre de M. Poirier*, Béranger's poems, Corneille's *Le Cid* and *Horace*, Coppée's poems, Daudet's *La Belle-Nivernaise*, La Brète's *Mon oncle et mon curé*, Madame de Sévigné's letters, Hugo's *Hernani* and *La chute*, Labiche's plays, Loti's *Pêcheur d'Islande*, Mignet's historical writings, Molière's *L'avare* and *Le bourgeois gentilhomme*, Racine's *Athalie*, *Andromaque*, and *Esther*, George Sand's plays and stories, Sandeau's *Mademoiselle de la Seiglière*, Scribe's plays, Thierry's *Récits des temps mérovingiens*, Thiers's *L'expédition de Bonaparte en Egypte*, Vigny's *La canne de jonc*, Voltaire's historical writings.

**Advanced** *

The Aim of the Instruction.—At the end of the advanced course the pupil should be able to read at sight, with the help of a vocabulary of special technical expressions, difficult French not earlier than that of the seventeenth century; to write in French a short essay on some simple subject connected with the works read; to put into French a passage of easy English prose; and to carry on a simple conversation in French.

The Work to be Done.—This should comprise the reading of from 600 to 1000 pages of standard French, classical and modern, only difficult passages being explained in the class; the writing of numerous short themes in French; the study of syntax.

* Advanced French must be offered by candidates who wish to enter the course French 1 (see courses announced by the Department of Romance Languages and Literatures). It may not be counted among the points required for admission.

Suitable reading matter will be: Beaumarchais's *Barbier de Séville ;* Corneille's dramas; the elder Dumas's prose writings; the younger Dumas's *La question d'argent ;* Hugo's *Ruy Blas*, lyrics, and prose writings; La Fontaine's fables; Lamartine's *Graziella ;* Marivaux's plays; Molière's plays; Musset's plays and poems; Pellisser's *Mouvement littéraire au XIX^e siècle ;* Renan's *Souvenirs d'enfance et de jeunesse ;* Rousseau's writings; Sainte-Beuve's essays; Taine's *Origines de la France contemporaine ;* Voltaire's writings; selections from Zola, Maupassant, and Balzac.

### GERMAN

**Elementary** (counting two points)

The Aim of the Instruction.—At the end of the elementary course in German the pupil should be able to read at sight, and to translate, if called upon, by way of proving his ability to read, a passage of very easy dialogue or narrative prose, help being given upon unusual words and constructions, to put into German short English sentences taken from the language of everyday life or based upon the text given for translation, and to answer questions upon the rudiments of grammar, as defined below.

The Work to be Done.—During the first year the work should comprise: (1) careful drill upon pronunciation; (2) the memorizing and frequent repetition of easy colloquial sentences; (3) drill upon the rudiments of grammar—that is, upon the inflection of the articles, of such nouns as belong to the language of everyday life, of adjectives, pronouns, weak verbs, and the more usual strong verbs; also upon the use of the more common prepositions, the simpler uses of the modal auxiliaries, and the elementary rules of syntax and word-order: (4) abundant easy exercises designed not only to fix in mind the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (5) the reading of from 75 to 100 pages of graduated texts from a reader, with constant practice in translating into German easy variations upon sentences selected from the reading lesson (the teacher giving the English), and in the reproduction from memory of sentences previously read.

During the second year the work should comprise: (1) the reading of from 150 to 200 pages of literature in the form of easy stories and plays; (2) accompanying practice, as before, in the translation into German of easy variations upon the matter read, and also in the off-hand reproduction, sometimes orally and sometimes in writing, of the substance of short and easy selected passages; (3) continued drill upon the rudiments of the grammar, directed to the ends of enabling the pupil, first, to use his knowledge with facility in the formation of sentences, and, secondly, to state his knowledge correctly in the technical language of grammar.

Stories suitable for the elementary course can be selected from the following list: Andersen's *Märchen* and *Bilderbuch ohne Bilder ;* Arnold's *Fritz auf Ferien ;* Baumbach's *Die Nonna* and *Der Schwiegersohn ;* Gerstäcker's *Germelshausen ;* Heyse's *L'Arrabbiata, Das Mädchen von Treppi*, and *Anfang und Ende ;* Hillern's *Höher als die Kirche ;* Jensen's *Die braune Erica ;* Leander's *Träumereien*, and *Kleine Geschichten ;* Seidel's *Märchen ;* Stökl's *Unter dem Christbaum ;* Storm's *Immensee* and *Geschichten aus der Tonne ;* Zschokke's *Ders zerbrochene Krug.*

Among the shorter plays the best available are perhaps Benedix's *Der Prozess, Der Weiberfeind*, and *Günstige Vorzeichen ;* Elz's *Er ist nicht eifersüchtig ;* Wichert's *An der Majorsecke ;* Wilhelmi's *Einer muss heiraten.* It is recommended, however, that not more than one of these plays be read. The narrative style should predominate. A good selection of reading matter for the second year would be Andersen's *Märchen*, or *Bilderbuch*, or Leander's *Träumereien*, to the extent of, say, forty pages. After that such a story as *Das kalte Herz*, or *Der zerbrochene Krug ;* then *Höher als die Kirche*, or *Immensee ;* next a good story by Heyse, Baumbach, or Seidel; lastly *Der Prozess.*

**Intermediate** (counting one point)

The Aim of the Instruction.—At the end of the intermediate course the pupil should be able to read at sight German prose of ordinary difficulty, whether recent or classical; to put into German a connected passage of simple English, paraphrased from a given text in German; to answer any grammatical questions relating to usual forms and essential principles of the language, including syntax and word-formation; and to translate and explain (so far as explanation may be necessary) a passage of classical literature taken from some text previously studied.

The Work to be Done.—The work should comprise, in addition to the elementary course, the reading of about 400 pages of moderately difficult prose and poetry, with constant practice in giving, sometimes orally and sometimes in writing, paraphrases, abstracts, or reproductions from memory of selected portions of the matter read ; also grammatical drill upon the less usual strong verbs, the use of articles, cases, auxiliaries of all kinds, tenses and modes (with special reference to the infinitive and subjunctive), and likewise upon word-order and word-formation.

The intermediate course is supposed to be the elementary course, plus one year's work at the rate of not less than four recitations a week. Suitable reading matter for the third year can be selected from such works as the following: Ebner-Eschenbach's *Die Freiherren von Gemperlein ;* Freytag's *Die Journalisten* and *Bilder aus der deutschen Vergangenheit*—for example, *Karl der Grosse, Aus den Kreuzzügen, Doktor Luther, Aus dem Staat Friedrichs des Grossen ;* Fouqué's *Undine ;* Gerstäcker's *Irrefahrten ;* Goethe's *Hermann und Dorothea* and

*Iphigenie;* Heine's poems and *Reisebilder;* Hoffmann's *Historische Erzählungen;* Lessing's *Minna von Barnhelm;* Meyer's *Gustav Adolfs Page;* Moser's *Der Bibliothekar;* Riehl's *Novellen*—for example, *Burg Neideck, Der Fluch der Schönheit, Der stumme Ratsherr, Das Spielmannskind;* Rosegger's *Waldheimat;* Schiller's *Der Neffe als Onkel, Der Geisterseher, Wilhelm Tell, Die Jungfrau von Orleans, Das Lied von der Glocke, Balladen;* Scheffel's *Der Trompeter von Säkkingen;* Uhland's poems; Wildenbruch's *Das edle Blut.*

**Advanced ***

The Aim of the Instruction.—At the end of the advanced course the student should be able to read, after brief inspection, any German literature of the last one hundred and fifty years that is free from any unusual textual difficulties, to put into German a passage of simple English prose, to answer in German questions relating to the lives and works of great writers studied, and to write in German a short, independent theme upon some assigned topic.

The Work to be Done.—The work of the advanced course (last year) should comprise the reading of about 500 pages of good literature in prose and poetry, reference readings upon the lives and works of the great writers studied, the writing in German of numerous short themes upon assigned subjects, independent translation of English into German.

## GREEK

**Elementary** (counting three points)

1. Greek Grammar.
   The common forms, idioms, and constructions, and the general grammatical principles of Attic Greek prose; also the constructions, poetical forms, and prosody of Homer's Iliad.
2. Greek Composition I.
   Translation into Greek of detached sentences to test the candidate's knowledge of grammatical constructions.

The examination in the two subjects immediately preceding will be based on the first two books of Xenophon's Anabasis.

3. Xenophon.
   The first four books of the Anabasis.
4. Homer.
   The first three books of the Iliad (omitting II, 494–end).
5. Greek Composition II.
   Translation into Greek of continuous prose based on Xenophon and other Attic prose of similar difficulty.

* Advanced German should be offered, if possible, by candidates desiring to take advanced courses in German. It may not be counted among the points required for admission.

6. Sight Translation.
   Translation into English at sight, based on prose of no greater difficulty than Xenophon's Anabasis.

**Advanced** (counting one point)

Candidates offering Greek as an advanced subject must present the equivalent of the course known as Greek **B** (see courses announced by the Department of Greek). In Homer, for which no equivalent will ordinarily be accepted, the minimum requirement will be 1600 lines in addition to the amount offered for the elementary examination. The candidate must also offer the eight orations of Lysias in Morgan's edition, or an equivalent amount of similar Greek, and in prose composition at least twenty exercises in the writing of connected narrative prose. The exercises in Part III of Allinson's Greek Prose Composition will show the grade of preparation demanded.

HISTORY

**Elementary** (counting one point)

Candidates offering history as an elementary subject may present themselves for examination upon either of the following groups. They will not be permitted to offer both of these groups as elementary subjects.

First Group:

1. Greek history to the death of Alexander, with due reference to Greek life, literature, and art.
2. Roman history to the accession of Commodus, with due reference to literature and government.

*In 1903 and thereafter for the subjects of this group will be substituted the following :*

1. *Ancient history, including a brief introductory study of the Oriental peoples and early mediæval history to the death of Charlemagne, with due reference to art, literature, and government.*
2. *Mediæval and modern history, with due reference to the growth of the state-system.*

Second Group:

3. English history, with due reference to social and political development.
4. American history, with the elements of civil government.

NOTE.—For preparation in either of these groups a course of study equivalent to at least three lessons a week for two years will be needful. On examination a candidate must show such general knowledge of each field offered as may be acquired from the study of an accurate text-book of not less than three hundred pages. Since, however, the examination will be so framed as to require comparison and the use of judgment rather than mere exercise of memory on the part of the pupil, it is recommended that the teacher prescribe a course of supplementary reading of not less than five hundred

pages dealing with the more important periods and events in both of the historical fields offered. Geographical knowledge will be tested by requiring the location of places and movements on an outline map.

**Advanced** (counting one point)

Any one of the four courses which follow:

1. Greek history to the destruction of Corinth, and Roman history to the death of Constantine. (Open to candidates only who have offered English and American history as an elementary subject.)
2. English and American history. (Open to candidates only who have offered Greek and Roman history as an elementary subject.)
3. European history from the Germanic conquests to the beginning of the seventeenth century.
4. A year's study of any one of the four historical fields defined under Elementary History and not already offered by the candidate, together with a year's detailed study of a limited period within that field (*e. g.*, the Spartan and Theban supremacies, the period of the Punic wars, the Stuart period, the transition from the American colonial to the federal system), selected with the approval of the Department of History.

The examination in the second part of 4 will be specially adapted to the particular period selected.

In every case the candidate must show on examination such an acquaintance with the whole field as may be gained from the study of good text-books together with substantial parallel readings, and such a detailed knowledge of some part of the field as may be gained from suitable topical study.

*In 1903 and thereafter for the preceding statement relative to the requirement in Advanced History will be substituted the following :*

*The requirement in Advanced History is intended to be an equivalent for History* A*—the course prescribed in Columbia College* (see courses given by Department of History). *The work done at school, therefore, should be substantially identical with that course. Those candidates who have taken the examination in Elementary History, and desire to offer History as an advanced subject, must present themselves for examination upon the historical fields included in* THAT GROUP WHICH THEY DID NOT OFFER AS AN ELEMENTARY SUBJECT. *For example, if a candidate offers the first group as the elementary subject, he must offer the second group as the advanced subject, and* vice versa. *The examination will pre-suppose superior ability on the part of the candidate in Advanced History to understand the significance of historical events, movements, or tendencies, to discern similarities and contrasts, and to combine results.*

As further evidence of proficiency, satisfactory written work, done

at school and duly certified by the teacher as to independent preparation, must be submitted. This work must be presented in the form of a note-book, or bound collection of notes, containing not less than five thousand words on each historical field offered, and must show practice in at least three of the following exercises:

(*a*) Notes and digests of reading outside of the text-books.

(*b*) Written recitations requiring the use of judgment, and the application to new questions of knowledge already gained.

(*c*) Written parallels between historical characters, events, or periods.

(*d*) Brief studies of topics limited in scope, prepared outside the class-room and illustrated by some reference to contemporary material.

(*e*) Historical maps or charts showing explorations, migrations, conquests, territorial changes, or social phenomena.

The written work must be sent to the Assistant Secretary of Columbia University, two weeks before the entrance examination begins.

### LATIN

**Elementary** (counting four points *)

1. Latin Grammar.

   The inflections; the simpler rules for composition and derivation of words; syntax of cases and verbs; structure of the sentence in general, with particular regard to relative and conditional sentences, indirect discourse and the subjunctive; also so much of prosody as concerns accent, versification in general, and the dactylic hexameter.

2. Latin Composition I.

   Translation into Latin of detached sentences and very easy continuous prose based upon Cæsar and Cicero.

3. Cicero.

   Any six orations from the following list, but preferably the first six mentioned:

   The four orations against Catiline, Archias, and the Manilian Law, Marcellus, Roscius, Milo, Sestius, Ligarius, the Fourteenth Philippic.

4. Vergil.

   The first six books of the Æneid.

5. Latin Composition II.

   Translation into Latin of continuous prose of moderate difficulty based on Cicero.

* Candidates for admission to Columbia College, Teachers College, or the Schools of Applied Science, who are unable to offer the whole of Elementary Latin will be permitted to offer two points from this subject. Such candidates should offer parts 1, 2, and 3 as indicated above.

6. Sight Translation.
   Translation into English at sight, based exclusively on prose of no greater difficulty than the easier parts of Cicero's orations.

**Advanced** (counting one point)

Candidates offering Latin as an advanced subject must present the equivalent of the course known as Latin **A** (see courses announced by the Department of Latin). This course comprises the reading of Cicero's De Senectute and De Amicitia, a review of the syntax of the verb as contained in any standard grammar, and a knowledge of prose composition as represented by the second part of Daniells's New Latin Composition; also the reading of the first and third books of the Odes of Horace, with a satisfactory knowledge of the prosody.

MATHEMATICS

**Elementary** (counting three points)

1. Algebra to quadratics.
   Factors, common divisors, and multiples, fractions, equations of the first degree with one or more unknown quantities, evolution, the doctrine of exponents, radicals, radical equations reducible to equations of the first degree, and putting problems into equations.
2. Algebra from quadratics.
   Quadratic equations, equations with one or more unknown quantities that can be solved by the methods of quadratic equations, problems depending upon such equations, ratio and proportion, and the binomial theorem for positive entire exponents.
3. Plane geometry.
   Plane geometry, including the solution of simple original exercises and numerical problems.

**Advanced** (counting one point)

1. Solid geometry.
   Solid and spherical geometry, including the solution of simple original exercises and numerical problems.
2. Algebra.
   The arithmetical and geometrical progressions, the elementary treatment of permutations and combinations, and the use of four-place and five-place tables of logarithms.
3. Plane trigonometry.
   The definitions and relations of the six trigonometrical functions as ratios, proof of important formulæ, theory of logarithms and use of tables, solution of right and oblique plane triangles.

## PHYSICS

### Elementary (counting one point)

The candidate's preparation in physics should include:

*a*. The study of a standard text-book supplemented by the use of many varied numerical problems, to the end that the pupil may gain a comprehensive and connected view of the most important facts and laws in elementary physics.

*b*. Instruction by lecture-table demonstrations, to be used mainly as a basis for questioning upon the general principles involved in the pupil's laboratory investigations.

*c*. Individual laboratory work, comprising at least forty exercises distributed about as follows: mechanics 17, sound 3, heat 5, light 6, electricity 9.

A list of suitable experiments in physics is contained in the definitions of the requirements published by the College Entrance Examination Board and may be obtained upon application to the Secretary of the Board, Post-Office Sub-Station 84, New York, N. Y.

Laboratory Note-book.—Every candidate must present *at the time of his examination in physics* a note-book in which he has recorded the steps and the results of his laboratory experiments. A candidate who fails to present such a note-book cannot receive credit for the examination. Each note-book must contain an index of the experiments which it describes and must be endorsed by the instructor, the endorsement being written in ink on the inside of the cover. The endorsement must in effect be as follows:

I certify that this note-book is a true and original record of experiments actually performed by.....
in the physical laboratory of.....School
during the year 19.... .....
Instructor in Physics.

### Advanced (counting one point)

Candidates offering physics as an advanced subject must have studied physics for a full year after satisfactorily completing the elementary requirement. The work during this time must be devoted to a more thorough and extensive study of the subjects previously covered in a general way. Besides class-work, it must include at least sixty experiments actually performed in the laboratory by the candidate. A laboratory note-book must be submitted at the time of the examination. It must contain a certificate from the teacher that it is a true record of the candidate's work. It will be returned to the candidate upon subsequent application to the Assistant Secretary of the University.

### PHYSIOGRAPHY (counting one point)

The equivalent of Davis's Physical Geography, together with an approved laboratory and field course of at least forty exercises actually performed by the candidate.*

The candidate will be required to present at the time of his examination the original note-book in which he recorded, with dates, the steps and results of his laboratory exercises. This book, which should contain an index of subjects, must bear the endorsement of the teacher, certifying that it is a true record of the candidate's work.

### SPANISH (counting two points)

THE AIM OF THE INSTRUCTION.—At the end of the course the pupil should be able to pronounce Spanish accurately, to read at sight easy Spanish prose, to put into Spanish simple English sentences taken from the language of everyday life, or based upon a portion of the Spanish text read, and to answer questions on the rudiments of the grammar, as defined below.

THE WORK TO BE DONE.—During the first year the work should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the conjugation of the regular and the more common irregular verbs, the inflection of nouns, adjectives, and pronouns, and the elementary rules of syntax; (3) exercises containing illustrations of the principles of grammar; (4) the reading and accurate rendering into good English of from 100 to 175 duodecimo pages of graduated texts, with translation into Spanish of easy variations of the sentences read; (5) writing Spanish from dictation.

During the second year the work should comprise: (1) the reading of from 250 to 400 pages of modern prose from different authors; (2) practice in translating Spanish into English, and English variations of the text into Spanish; (3) continued study of the elements of grammar and syntax; (4) mastery of all but the rare irregular verb forms and of the simpler uses of the moods and tenses; (5) writing Spanish from dictation.

Suitable texts for the second year are: Valera's *El pájaro verde;* Alarcón's *El final de Norma, El capitán Veneno;* Valdès's *José;* Galdós's *Doña Perfecta; Marianela;* Parde Isla's version of *Gil Blas;* Carrion and Aza's *Zaragüeta.*

### ZOÖLOGY (counting one point)

In general, zoölogy is not recommended as an entrance subject unless the study has been preceded or accompanied by that of physics and

* For a more detailed statement of the requirement in physiography the reader is referred to the definitions of the requirements published by the College Entrance Examination Board, Post-Office Sub-Station 84, New York, N. Y.

chemistry, which form the most desirable groundwork for collegiate courses in biology. The entrance examination in zoölogy is designed to test, first, the candidate's practical acquaintance with the natural history, structure, and relationships of some of the leading types of animals, and, second, his knowledge of the more essential facts of physiology.

*Practical Zoölogy.* A practical examination on at least ten common animal types, and the presentation by the candidate of a laboratory note-book, certified by the teacher, as evidence of a laboratory course actually performed. Examples of the types suggested are the frog, fish, mollusk, insects, crustaceans, annelid, starfish, hydroid (Hydra), and protozoan. In the examination less weight is laid on a knowledge of anatomical *minutiæ* than on the ability to recognize the specimen and its allies, to indicate its relationships, and to point out the leading features of its life-history, organization, and physiology.

*Elementary Physiology.* The nature of foods and their history in the body; the essential facts of digestion, absorption, circulation, secretion, excretion, and respiration; the motor, nervous, and sensory functions; and the structure of the various organs by which these operations are performed. Martin's *Human Body* (briefer course) forms a suitable basis for this work; but teachers are recommended as far as possible to correlate the physiology of man and the higher animals with that of the lower forms studied in the course on practical zoölogy.

## REGULATIONS FOR THE UNIVERSITY DEGREES

### Master of Arts and Doctor of Philosophy

1. Candidates for the degrees of Master of Arts and Doctor of Philosophy must hold a baccalaureate degree in arts, letters, philosophy, or science, or an engineering degree, or an equivalent of one of these from a foreign institution of learning.

Every candidate for a higher degree must present to the Dean of each school in which he intends to study satisfactory evidence that he is qualified for the studies he desires to undertake.

2. Candidates for the degrees of Master of Arts and Doctor of Philosophy must pursue their studies in residence for a minimum period of one and two years, respectively.* The year spent in study for the degree of Master of Arts is credited on account of the requirement for the degree of Doctor of Philosophy. Residence at other universities may be credited to a candidate. In certain cases and by special arrangement, time exclusively devoted to investigation in the field will be credited in partial fulfilment of the time required. No degree will be conferred upon any student who has not been in residence at Columbia University for at least one year.

3. Each student who declares himself a candidate for the degrees of Master of Arts and Doctor of Philosophy, or either of them, shall, immediately after registration, designate one principal or major subject and two subordinate or minor subjects.

Candidates are expected to devote at least one half of their time throughout their course of study to the major subject. In the case of laboratory courses this implies two days a week, or its equivalent, as determined by each department. Each minor subject is intended to occupy approximately one fourth of the time during one year for the degree of Master of Arts, and during two years for the degree of Doctor of Philosophy.

Minor subjects may not be changed except by permission of the Dean, to be given only on the written recommendation of the heads of the departments from which and to which the change is desired; major subjects may not be changed except by a special vote of the Faculty in each case.

* In practice three years of study are usually necessary to obtain the degree of Doctor of Philosophy.

Candidates for the degree of Master of Arts or Doctor of Philosophy may, with the consent of the Dean of the Faculty concerned and of the professor in charge of his major subject, select both minor subjects within the same department, and may divide a minor subject, taking parts of two subjects germane to his major subject,

4. The subjects from which the candidate's selection must be made are:

Under the Faculty of Philosophy

I. *Major Subjects :* 1. Philosophy; 2. psychology; 3. education; 4. linguistics; 5. comparative literature; 6. music; 7. classical archæology and epigraphy; 8. Greek language and literature, and, incidentally, Grecian history; 9. Latin language and literature, and, incidentally, Roman history; and the following, *including in each case the study of both the language and the literature :* 10. English; 11. Germanic; 12. Romance; 13. Sanskrit (with Pali) and Iranian; 14. Semitic; 15. anthropology. Nos. 3, 5, 10, 11, 12, 13, and 14 count each as the equivalent of a major and one minor subject.

II. *Minor Subjects :* 1. Philosophy; 2. psychology; 3. logic; 4. education; 5. anthropology; 6. linguistics; 7. comparative literature; 8. music; 9. Greek; 10. Greek archæology; 11. Latin; 12. Roman archæology; 13. Sanskrit; 14. Iranian; 15. English; 16. Anglo-Saxon; 17. Gothic; 18. Germanic philology; 19. German language and literature; 20. Scandinavian languages and literatures; 21. Romance philology; 22. French language and literature; 23. Spanish language and literature; 24. Italian language and literature; 25. Hebrew; 26. Arabic; 27. Assyrian; 28. Syriac; 29. Ethiopic; 30. Semitic epigraphy; 31. Turkish; 32. Armenian.

In his choice of subjects under this Faculty, the candidate is limited by the regulation that not more than two of the three subjects may be selected from those offered by any one department. A major subject will involve attendance at lectures and seminars amounting to four or more hours weekly; a minor subject will involve attendance of two or more hours weekly.

Under the Faculty of Political Science

Group I.—History and political philosophy: 1. European history; 2. American history; 3. political philosophy.

Group II.—Public law and comparative jurisprudence: 1. Constitutional law; 2. international law; 3. criminal law; 4. administrative law; 5. comparative jurisprudence.

Group III.—Economics and social science: 1. Political economy and finance; 2. sociology and statistics.

In his choice of subjects under this Faculty, the candidate is limited by the regulation that not more than two of the three subjects may be selected from any one of the above groups, and by the following rules:

Candidates offering European history as the major subject must offer American history as one of the minor subjects, and *vice versa*.

Candidates offering political economy and finance as the major subject must offer sociology and statistics as one of the minor subjects, and *vice versa*.

Candidates offering constitutional law as the major subject must take administrative law or international law as one minor subject.

Candidates offering international law or administrative law as the major subject must take constitutional law as one minor subject.

To be recognized as a major subject for the degree of Master of Arts, the courses selected must aggregate at least two hours per week throughout the year, and must also include attendance at a seminar; for a minor subject for the degree of Master of Arts the attendance at a seminar is not required.

To be recognized as a minor subject for the degree of Doctor of Philosophy, courses must be taken, in addition to the requirements for a minor subject for the degree of Master of Arts, aggregating two hours weekly. All the courses and seminars offered in the major subject must be taken by the candidates for the degree of Doctor of Philosophy.

Under the Faculty of Pure Science

1. Anatomy; 2. astronomy; 3. bacteriology; 4. botany; 5. chemistry; 6. geodesy; 7. geology; 8. lithology; 9. mathematics; 10. mechanics and electro-mechanics; 11. mineralogy; 12. palæontology; 13. physics; 14. physiology; 15. zoölogy; 16. physiological chemistry.

In his choice of subjects under this Faculty, the candidate is limited by the regulation that no two of the subjects selected may be in any one department, unless the consent of the Faculty thereto shall have first been obtained.

Under the Faculty of Applied Science

Mining; metallurgy; engineering (civil, mechanical, electrical, and sanitary); architecture; mechanics, and electro-mechanics.

The Faculty of Applied Science requires that at least one minor subject be taken under the Faculty of Pure Science.

A minor subject may be taken in the same department as the major, but no two minors may be taken in the same department, unless the consent of the Faculty thereto shall be first obtained.

5. Each student is given a registration book, to be obtained at the office of the Registrar, which should be signed by the professor or instructor in charge of each course of instruction or investigation at the beginning and end of each course. This registration book is to be preserved by the student as evidence of courses attended, and should be submitted to the Deans of the several Faculties at the end of each year, that the proper credit may be given for the courses attended, after which the registration book becomes the permanent property of the student.

**6.** (*a*) Students desiring to be examined for the degree of Master of Arts, Master of Laws, or Doctor of Philosophy shall make application on or before April 1 of the academic year in which the examination is desired, on blanks provided by the University, to the Registrar of the University.

(*b*) Immediately after April 1, the Registrar shall notify the Deans of the Faculties of Political Science, Philosophy, and Pure Science, of the names of students applying for examination for higher degrees in each of these three Faculties, together with the subjects in which the candidate offers himself for examination and the degree for which he is a candidate.

(*c*) The examination shall be held under the authority and direction of the several Deans.

(*d*) The results of such examinations shall be reported as soon as possible to the Registrar, who shall transmit to the Secretary of the University Council the record of each successful candidate for a degree, as soon as such record is complete.

**7.** Each candidate for the degree of Master of Arts shall present an essay on some topic previously approved by the professor in charge of his major subject. Before the candidate is admitted to examination the professor in charge of his major subject must have signified his approval of such essay. This essay must be presented not later than May 1 of the academic year in which the examination is to take place. The Faculty of Political Science requires this essay to be a paper read during the year before the seminar of which the candidate is a member.

When the essay has been approved, the candidate shall file with the Librarian of the University a legibly written or typewritten copy of it. This copy is to be written on firm, strong paper, eleven by eight and a half inches, and a space of one and a half inches on the inner margin must be left free from writing.

**8.** Each candidate for the degree of Doctor of Philosophy shall present a dissertation embodying the result of original investigation and research on some topic previously approved by the professor in charge of the candidate's major subject. When such dissertation has been approved by the said professor, it shall be printed by the candidate, under the direction of the Dean of the Faculty, and one hundred and fifty copies shall be delivered to the Faculty, unless, for reasons of weight, a smaller number be accepted by special action of the University Council. On the title-page of every such dissertation shall be printed the words: "Submitted in partial fulfilment of the requirements for the Degree of Doctor of Philosophy, in the Faculty of ———, Columbia University."

There shall be appended to each dissertation a statement of the educational institutions that the author has attended, and a list of the degrees and honors conferred upon him, as well as the titles of his previous publications.

All dissertations for the degree of Doctor of Philosophy must be submitted for approval not later than April 1 of the academic year in which examination is desired.

In case of excessive cost and delay in publishing a dissertation which has been approved by a department, and accepted for publication by a reputable journal or scientific or literary association, the degree of Doctor of Philosophy may be conferred before the publication is completed. The facts in every such case concerning the publication are to be certified to the Council by the Faculty concerned.

In cases where advanced degrees are conferred before the copies of the dissertation are deposited with the Librarian, the diploma shall be withheld until such copies shall be received by the Librarian.

In the Faculty of Political Science, the examination on the major and minor subjects and on languages may be held before the printed dissertation is submitted.

The Faculty of Pure Science requires the dissertation to be printed in the size and form of the Annals or the Memoirs of the New York Academy of Sciences, according to the nature of the subject. Final examination may be granted upon acceptance of the dissertation by the department concerned.

The Faculty of Applied Science requires the dissertation to be printed in the size and style of the School of Mines *Quarterly*, and delivered to the Faculty not later than May 1 of the academic year in which the examination is to take place.

**9.** Every candidate for the degree of Doctor of Philosophy must pass, besides such other examinations as the Faculty may require, an oral examination on all three subjects, and must defend his dissertation, in the presence of the entire Faculty, or of so many of its members as may desire or as may be designated by the Faculty to attend. The ability to read at sight French and German, to be certified in each case by the Dean of the Faculty concerned, is required by all the Faculties. The Faculty of Political Science also requires the ability to read Latin at sight; and candidates are examined on Latin, French, and German, as upon other subjects, in the presence of the Faculty.

In the Faculty of Philosophy admission as a regular student or as a candidate for the degree of Master of Arts does not admit to candidacy for the degree of Doctor of Philosophy. Only those students are admitted to candidacy for the degree of Doctor of Philosophy who (1) are recommended for such candidacy by the heads of the departments in which their major and minor subjects of study lie; and (2) are certified as to their ability to read French and German by the heads of those departments; and (3) are certified as to their ability to read Latin by the head of that department; provided that students whose major subject is psychology, anthropology, education, or music shall not be required to meet this test when it is certified by the professor in charge of their major subject that an ability to read Latin is not necessary for the proper prosecution of their researches.

10. Students holding college degrees, who shall have completed with marked distinction one of the regular courses in the School of Law, the School of Medicine, the School of Mines, the School of Chemistry, the School of Engineering, or the School of Architecture, may be recommended for the degree of Master of Arts; provided that in each case the candidate, while pursuing his professional course, shall have taken additional work, under the direction of the Faculty of Philosophy, the Faculty of Political Science, or the Faculty of Pure Science, to the extent of a minor subject, as recognized by the Faculty concerned, for not less than one academic year.

Every such candidate shall present an essay on some topic previously approved by the professor in charge of his minor subject. Before the candidate is admitted to examination the professor in charge of his minor subject must have signified his approval of such essay. This essay must be presented not later than May 1 of the academic year in which the examination is to take place. The Faculty of Political Science requires this essay to be a paper read during the year before the seminar of which the candidate is a member.

When the essay has been approved, the candidate shall file with the Librarian of the University a legibly written or typewritten copy of it. The copy is to be written on firm, strong paper, eleven by eight and a half inches, and a space of one and a half inches on the inner margin must be left free from writing.

11. No student shall continue to be a candidate for the degree of Doctor of Philosophy for a longer period than three years from the time he ceases to be in residence.

### Master of Laws

1. Any student who has satisfactorily completed the regular course of study in Columbia College, to the close of the junior year, or in some other college maintaining an equivalent curriculum (every such case of equivalency to be considered on its own merit), shall be entitled to be recommended for the degree of Master of Laws upon certificates from the Faculty of Law and the Faculty of Political Science that he has satisfactorily completed a four-years' course of study under said Faculties.

2. Every candidate for the degree of Master of Laws must elect from the subjects offered by said Faculties courses aggregating, in the four years, fifty-two hours per week, and must pass satisfactory examinations upon the subjects elected; provided that not more than thirty-four hours of work may be elected either in the field of private law, or in that of public law, social ethics, history, and economics.

3. Students, otherwise qualified, who have received the degree of Bachelor of Laws from this University after pursuing the full course of study, shall be entitled, upon pursuing for an additional year a course of study of at least thirteen hours per week, under either or both of said

Faculties, and passing satisfactory examinations therein, to receive the degree of Master of Laws; provided that no student shall receive the degree who has not studied and passed satisfactory examinations in comparative constitutional law, administrative law, Roman law, international law, and in the three courses offered on equity,* and who has not pursued here, or elsewhere, courses of instruction satisfactory to the Faculty of Political Science in history, social ethics, and economics.

4. Each Faculty shall determine the order in which the subjects offered by it shall be taken, and the maximum amount of work to be done therein during any one year.

5. Students from other universities, colleges, or law schools, who shall have satisfactorily completed a course of study equivalent to at least one term of thirteen hours per week in the subjects indicated in Section 2, after receiving a bachelor's degree, may be excused from the corresponding number of terms of the four-years' residence required at Columbia, provided that in no case shall any one receive the degree of Master of Laws who has not spent at least four years in the study of the said subject in some university, college, or law school; and the decision whether work at another institution shall be accepted as equivalent to work at Columbia shall rest, so far as the studies under the Faculty of Law are concerned, with the Faculty of Law, and, so far as the studies under the Faculty of Political Science are concerned, with the Faculty of Political Science. But neither Faculty shall admit a student from another university, college, or law school, to examination for the degree of Master of Laws without a residence of at least one year in this University.

* Under this provision students would be allowed, but not required, to take history of European law, conflicts of law, law of municipal corporations, and the law of taxation

## COLUMBIA COLLEGE

The following departments are represented in the Faculty:

ASTRONOMY
BOTANY
CHEMISTRY
COMPARATIVE LITERATURE
ENGLISH
GEOLOGY
GERMANIC LANGUAGES AND LITERATURES
GREEK
HISTORY
INDO-IRANIAN LANGUAGES
LATIN
MATHEMATICS
MECHANICS
PHILOSOPHY, PSYCHOLOGY, ANTHROPOLOGY, AND EDUCATION
PHYSICS
POLITICAL ECONOMY
ROMANCE LANGUAGES AND LITERATURES
SEMITIC LANGUAGES
ZOÖLOGY

### Officers of the Faculty

*Ex-Officio Members of the University Council*

J. H. Van Amringe, Ph.D., L.H.D., LL.D.....*Dean*
H. T. Peck, Ph.D., L.H.D.....*Secretary*

### Standing Committees

Committee on Curriculum and Scheme of Attendance

Professor Van Amringe, *Chairman*
" Butler
" Woodberry
" Perry
" Sloane

Committee on Admissions

Professor Fiske, *Chairman*
" Hallock
" G. R. Carpenter
" Wheeler
" Thomas

Committee on Scholarships

Professor Van Amringe, *Chairman*
" W. H. Carpenter
" Sloane

Committee on Honors

Professor Peck, *Chairman*
" Hallock
" Woodward

### The Faculty

Nicholas Murray Butler, LL.D., *Acting President*

J. Howard Van Amringe, Ph.D., L.H.D., LL.D.....*Professor of Mathematics*
Ogden N. Rood, A.M., LL.D.....*Professor of Physics*
Charles F. Chandler, Ph.D., M.D., LL.D..*Professor of Chemistry*
John W. Burgess, Ph.D., LL.D..*Professor of Political Science and Constitutional Law*

THOMAS R. PRICE, LL.D. . . *Professor of the English Language and Literature*

JOHN KROM REES, E.M., Ph.D. . . . . *Professor of Astronomy*

H. T. PECK, Ph.D., L.H.D. . . . . *Professor of the Latin Language and Literature*

NICHOLAS MURRAY BUTLER, Ph.D., LL.D. . . . *Professor of Philosophy and Education*

EDWIN R. A. SELIGMAN, LL.B., Ph.D. . . . *Professor of Political Economy and Finance*

WILLIAM H. CARPENTER, Ph.D. . . . . *Professor of Germanic Philology*

ADOLPHE COHN, LL.B., A.M. . . . *Professor of the Romance Languages and Literatures*

GEORGE EDWARD WOODBERRY, A.B. *Professor of Comparative Literature*

EDWARD DELAVAN PERRY, Ph.D. . *Jay Professor of the Greek Language and Literature*

A. V. WILLIAMS JACKSON, L.H.D., Ph.D. . *Professor of Indo-Iranian Languages*

RICHARD J. H. GOTTHEIL, Ph.D. . . . *Professor of Rabbinical Literature and the Semitic Languages*

WILLIAM A. DUNNING, Ph.D. . . . . *Professor of History*

JAMES F. KEMP, E.M. . . . . *Professor of Geology*

EDMUND B. WILSON, Ph.D. . . . . *Professor of Zoölogy*

WILLIAM HALLOCK, Ph.D. . . . . *Adjunct Professor of Physics*

ROBERT S. WOODWARD, C.E., Ph.D. . . . *Professor of Mechanics and Mathematical Physics*

GEORGE R. CARPENTER, A.B. . . . . *Professor of Rhetoric and English Composition*

HENRY A. TODD, Ph.D. . . . . *Professor of Romance Philology*

THOMAS SCOTT FISKE, Ph.D. . . . . *Professor of Mathematics*

JAMES RIGNALL WHEELER, Ph.D. . . . . *Professor of Greek*

JAMES C. EGBERT, Jr., Ph.D. . . . . *Professor of Roman Archæology and Epigraphy*

* JAMES H. HYSLOP, Ph.D. . . . . *Professor of Logic and Ethics*

CARLO L. SPERANZA, A.M., B. ès L. . *Adjunct Professor of the Romance Languages and Literatures*

CALVIN THOMAS, A.M. . . . . *Gebhard Professor of the Germanic Languages and Literatures*

WILLIAM MILLIGAN SLOANE, Ph.D., LL.D. . *Seth Low Professor of History*

LUCIEN M. UNDERWOOD, Ph.D. . . . . *Professor of Botany*

CHARLES E. PELLEW, E.M. . . . . *Adjunct Professor of Chemistry*

BRANDER MATTHEWS, D.C.L., Litt.D. . *Professor of Dramatic Literature*

HERBERT GARDINER LORD, A.M. . . . . *Professor of Philosophy*

NELSON GLENN MCCREA, Ph.D. . . . . *Adjunct Professor of Latin*

CLARENCE H. YOUNG, Ph.D. . . . . *Adjunct Professor of Greek*

JAMES MACLAY, C.E., Ph.D. . . . . *Adjunct Professor of Mathematics*

* Absent on leave.

## ADMISSION

The Committee on Admissions has charge of everything relating to this subject.

1. Candidates for admission to the freshman class, at its formation, must be at least fifteen years of age; and for admission to advanced standing there is required a corresponding increase of age; but this rule may be dispensed with when, in the opinion of the Committee on Admissions, there are sufficient reasons to justify its relaxation.

Every candidate must, before admission, present a certificate of good moral character from his last teacher, or from some citizen in good standing, and students from other institutions must bring certificates of honorable dismission.

### Requirements for Admission

2. Every candidate for admission to the freshman class is required at the entrance examinations (see page 183) to offer subjects amounting to fifteen points * as indicated below:

The candidate *must* offer

English (page 189) . . . . . counting 3 points
Elementary Mathematics (page 199) . . " 3 "

The candidate may offer any of the following subjects without other restriction than that to offer an advanced subject will involve offering either at the same time or earlier the corresponding elementary subject.

Elementary Latin (page 198) . . . . . counting 4 points†
Elementary Greek (page 195) . . . . . " 3 "
Elementary History (page 196) . . . . . " 1 point
Intermediate French (page 192) . . . . . " 1 "
Intermediate German (page 194) . . . . . " 1 "
Advanced Latin (page 199) . . . . . " 1 "
Advanced Greek (page 196) . . . . . " 1 "
Advanced History (page 197) . . . . . " 1 "
Advanced Mathematics (page 199) . . . . " 1 "
Advanced Physics (page 200) . . . . . " 1 "

The candidate may offer not more than 4 points in all from the three subjects following:

Elementary French (page 191) . . . . . counting 2 points
Elementary German (page 193) . . . . . " 2 "
Spanish (page 201) . . . . . " 2 "

The candidate may offer not more than 2 points in all from the five subjects following:

* The several subjects are stated in terms of units; the unit is a course of five periods weekly throughout an academic year of the preparatory school; the subjects are assigned units in accordance with the time required to prepare adequately upon them for college entrance.

† Candidates may also offer a part of elementary Latin, counting it for two points (see page 198).

| | | |
|---|---|---|
| Elementary Physics (page 200) | counting | 1 point |
| Chemistry (page 188) | " | 1 " |
| Botany (page 187) | " | 1 " |
| Physiography (page 201) | " | 1 " |
| Zoölogy (page 202) | " | 1 " |

For information regarding the time and place at which entrance examinations are held, regulations regarding division of examinations, examinations outside of New York, application blank, and examination fee (see pages 183–186).

### Certificates in Lieu of Entrance Examinations

3. Columbia College accepts, in lieu of its entrance examinations, no credentials of any sort except the Regents' Academic Diploma * and the certificates of universities and colleges in good standing. These credentials are accepted only for the ground which they specifically cover.

All certificates offered in lieu of entrance examinations must be sent to the chairman of the College Committee on Admissions at least one week before the first day of the entrance examinations. The names of those candidates whose certificates are accepted in whole or in part will be posted on the bulletin board at least one day in advance of the beginning of the examinations.

*The separate pass-cards, the Academic Equivalent Certificate, and the several other certificates issued by the Regents of the State of New York are not accepted by the College in lieu of examinations.*

*The certificates of the preparatory or high-school departments of universities and colleges are not accepted by the College.*

Candidates must take the regular entrance examinations in the subjects in which their certificates are not deemed adequate.

### Report of Entrance Examinations

4. The Committee on Admissions will report to the Dean not later than one week after the conclusion of the entrance examinations in June the names of those candidates who, having passed a satisfactory examination, may be admitted with or without conditions, of those who must present themselves for re-examination in September, and of those who have been rejected.

* Every Regents' Academic Diploma is considered as covering the entrance requirement in English. No Regents' Academic Diploma will be accepted in lieu of the entrance examination in French unless it covers the complete three-years' high-school course in French recognized by the Regents. Similarly, no Regents' Academic Diploma will be accepted in lieu of the entrance examination in German unless it covers the complete three-years' high-school course in German. A Regents' Academic Diploma, to be accepted in lieu of all parts of the examination in Latin or of the examination in Greek, must specifically cover, among other things, sight reading and prose composition. In the case of the natural sciences, a Regents' Academic Diploma will not be accepted for the required laboratory work.

The Committee on Admissions will report to the Dean not later than one week after the conclusion of the entrance examinations in September the names of those candidates who, upon a final showing, may be admitted with or without conditions, and of those who have been rejected.

Except for reasons of weight, satisfactory to the Committee on Admissions, the results of an entrance examination will not be allowed to stand to the credit of a candidate for a longer period than sixteen months.

### Admission to Advanced Standing

**5.** Candidates for admission from other colleges, and those desiring to be admitted to advanced standing on examination, must make application in writing to the College Committee on Admissions. Proper blanks for the purpose may be obtained from the Registrar. The application should be made at least one week before the first day of the September entrance examinations.

Each candidate for admission to advanced standing must show that he has attained proficiency in the equivalent of

1. The requirements for admission to the freshman class.
2. All the prescribed studies already pursued by the class to which he seeks admission.
3. As many elective studies as he would have pursued if he had entered the class at the beginning of the freshman year.

A candidate may be admitted notwithstanding deficiencies in some of these studies, but no candidate will be recommended for the A.B. degree until he shall have brought all his studies up to the point required for that degree.

Each candidate from another college is expected to furnish official statements of his record in his various college studies, and letters or other evidence showing the opinion of his instructors in regard to his scholarship and character. He should also submit a catalogue or announcement of the college that he leaves, in which are plainly marked every requirement for admission and every course of instruction for which he has received credit.

No applicant will be allowed to enter the senior class as a candidate for the degree of Bachelor of Arts after October 15 in any year.

### Special Students

**6.** Special courses of study are offered by the College to young men, of proper age and character, who wish, without reference to any degree, to make a serious study of any subject or group of subjects. This provision, however, is not designed for students who would be unable, because of defective preparation, to secure admission to the freshman class. Candidates for admission as special students are required to present themselves at the entrance examinations and to fulfil the re-

quirements for admission to the freshman class (see p. 212). Applications for admission should be made at least one week before the first day of the entrance examinations. Proper blanks for this purpose may be obtained from the Registrar.

*Applications from men of maturity, who have been several years out of school or college and have had a valuable educative experience in practical life, will be considered on their merits as a class by themselves.*

Once admitted to the College special students will be allowed to select their own courses of study subject to the general approval of the Dean and to the particular approval, for each course selected, of the head of the departmennt in which the course is given. The courses selected by a special student must, however, occupy at least ten hours a week.

*Except for reasons of weight, satisfactory to the Committee on Admissions, no one will be received as a special student who is less than eighteen years of age, or who has, within ten months of the time of his application, been rejected as a regular student, or has, within that period, become deficient as a regular student. No one will be admitted as a special student who wishes merely to pursue elementary subjects included among the requirements for admission to the College or Schools of Applied Science.*

**7.** In the courses which they severally pursue special students will be held to the observance of the same regulations as to attendance, examination, proficiency, and deficiency as regular students.

### Entrance Conditions and Probation

**8.** Students admitted conditionally to the freshman class at the beginning of the academic year will be held under probation till the end of the first half-year.

Not later than Tuesday of the second week following the Christmas holidays, the head of each department in which students on probation attend will make to the Dean a special report of progress in the case of each such student. The Dean will, as soon as practicable, and not later than the end of the half-year, decide as to each student on probation, whether he shall be dropped from the roll of the College, or have his period of probation extended.

**9.** If any member of the freshman class shall receive at the mid-year or the concluding examination a grade in scholarship of C, or higher, in any department, this grade will be regarded as removing any entrance condition that may be recorded against him in that department.

Any member of the freshman class conditioned at entrance must make good by examination every condition that is not removed under the operation of the foregoing provision. He should present himself for this purpose at the entrance examinations in June or September of the year following his admission.

See under "Proficiency and Deficiency."

### Matriculation, Registration, and Enrolment

(See page 18.)

For the regulations prescribed for all students see page 18. The following regulations are also prescribed for students in the College:

**10.** At the opening of the year, all students are required to present themselves at the office of the Registrar, 109 Library, for registration and enrolment on the Wednesday, Thursday, or Friday of the week preceding the first Monday in October of each year. Registration and enrolment at a later date are permitted to candidates who obtain the written consent of the Dean, satisfactory cause for the delay having been shown. Credit for attendance will date from the first Monday in October. All students will be held strictly accountable for absences incurred owing to enrolment at a later date, unless excused by the Dean.

### Fees

(See page 19).

### Scholarships

(See page 31).

## COURSE OF STUDY

The attention of students is called to the following regulations relating to the selection of studies and to the requirements for the degree of Bachelor of Arts.

**11.** Candidates for the degree of Bachelor of Arts are required to present courses making a total of sixty points, each point having the value of a subject pursued one hour a week for one academic year, except that laboratory or drawing-academy hours shall be counted for one half of the number of hours actually occupied. Not less than twelve, nor more than eighteen, points may be presented in any one year without the consent of the Dean. No one-hour course, unless taken in connection with and as a supplement to a cognate course, will be allowed. To the end of his junior year, a student must always pursue not fewer than three courses having a value of at least three points each. The required gymnasium work of the freshman and sophomore years must also be satisfactorily completed.

The courses necessary to meet the above requirement may be chosen by the student at will from the courses announced each year, subject to the restrictions named in connection with each course, and to the general restriction that the following studies are prescribed:

### Prescribed Studies

*English :*

English **A,** 3 hours, freshman year. }
English **B,** 2 hours, sophomore year. }

Prescribed for all students.

*Latin and Greek :*

Latin **A** or **B**, or Greek **B**, 3 hours, freshman year.
Prescribed for students who offer Elementary Latin and Greek, but not advanced Latin or Greek, for admission.

Latin **A** or **B**, 3 hours, freshman year.
Prescribed for students who offer Elementary Latin, but not Greek or Advanced Latin, for admission.

Latin **X**, 5 hours, freshman year.
Latin **Y**, 3 hours, sophomore year.
Latin **Z**, 3 hours, junior year.
Prescribed for students who do not offer Elementary Latin for admission.

*French :*

French **A**, 3 hours, freshman or sophomore year, as the Dean may permit or prescribe.
Prescribed (unless French **B** be elected) for students who do not offer Elementary French for admission.

*German :*

German **A**, 3 hours, freshman or sophomore year, as the Dean may permit or prescribe.
Prescribed (unless German 1 be elected) for students who do not offer Elementary German for admission.

*Mathematics :*

Mathematics **A**, 3 hours, freshman year.
Prescribed for students who do not offer Advanced Mathematics for admission.

*History :*

History **A**, 3 hours, sophomore year.
Prescribed for students who do not offer Advanced History for admission.

*Psychology :*

Pyschology **A**, 3 hours, first half junior year.
Prescribed for all juniors.

*Economics :*

Economics **A**, 3 hours, second half junior year.
Prescribed for all juniors.

*Natural Science :*

Physics 1, 3 hours; or Chemistry 1, 4 hours; or Botany 1, 3 hours.
Prescribed for students who do not offer a natural science for admission; may be taken in any one of the four years.

NOTE.—Freshmen are required to be in attendance at the Gymnasium on Monday and Wednesday at 11.30; sophomores at 12.30.

### Elective Studies

12. In making out their list of electives, students are confined to the courses given as open to them in the departmental and other statements contained in the Announcement of the College. They must avoid conflicts of courses at the same hour, and for that purpose should consult the hour scheme.

Students just entering must give notice, at the time of registration, of the elective courses chosen by them.

Students in the College are required, on or before May 20, to give notice to the Dean, upon blanks to be procured at the office of the Registrar, of their choice of elective courses. Special attention is called to this requirement, in order to avoid confusion and possible embarrassment to the student.

13. Change of electives will be allowed by the Dean, for reasons of weight stated to him in writing, up to but not later than the fourth Saturday in October for the first term and the third Saturday in February for the second term.

14. No student may take more than four hours' work, not including laboratory work or drawing, on the same day, or more than six hours a week in any department, without the consent of the Dean.

15. The Dean and the head of the department concerned may permit any study prescribed for the degree of Bachelor of Arts to be taken as an elective in an earlier year than that for which it is set down.

16. Elective courses are offered subject to withdrawal if elected by fewer than three students.

### Graduation Theses

17. Each candidate for graduation shall, with the advice and consent of the instructor in charge of one of the courses in which he has studied, or is studying, select for thesis, or essay, some subject connected with that course, and, on or before December 15, communicate his selection to the Dean for approval. Under such guidance and with such help as the instructor may deem it right to give him, he shall complete the thesis, or essay, and submit it to the Dean on or before April 2 of each year. This thesis, or essay, shall be judged by the head of the department in which the chosen subject lies; and the judgment shall be passed upon the merit of the thesis, or essay, both in its substance and in its style, and shall be reported in writing by the head of the department to the Dean. In his return to the Dean upon a graduation thesis the examining officer shall report:

1. A grade as to substance;
2. A grade as to style;
3. A grade as to its general merit.

Each thesis shall contain, as appendix, a list of authorities that have been used. It shall contain at least two thousand (2000) words, un-

less there be special reasons for a reduced length; and it shall be retained as the property of the College, in charge of the Librarian.

If any student fail to comply with these requirements, or if his thesis, or essay, be rejected, he shall not be recommended to the Trustees for graduation.

The graduating theses must be written on firm, strong paper, eleven by eight and one half inches in dimensions, and a space of one and one half inches on the inner margin must be left free from writing.

### Teachers College Diploma

**18.** The course of study in Teachers College for intending teachers in secondary schools is so arranged that undergraduate students of Columbia College and of Barnard College may, if they so desire, obtain the Diploma of Teachers College at the time of receiving the degree of Bachelor of Arts.

### Examinations in Course

**19.** Two examinations of all the classes are held every year, one beginning on the last Monday in January, and the other on the Monday of the third week preceding Commencement. The former is called the mid-year examination; the latter the final examination. Any department may omit the mid-year examination in some or all of its courses for seniors, notice of such intended omission to be sent to the Dean on or before December 1 preceding. It is the privilege of any department to announce that, in some or all of its courses, the results of the mid-year examination will be tentative only, the grades given after the final examination applying to the whole year.

Any student who shall have been absent from more than ten per cent. of the exercises in any course during a single half-year shall not be entitled to examination in that course.

Every student is expected and required to keep an account of his absences, and, should he exceed the limit allowed in any course, he must present to the Dean, during the week preceding the stated examination, satisfactory explanation of all his absences, or be debarred from the examination.

Delinquent examinations, to enable deficient or debarred students of all classes to make good their deficiencies, are held within the two weeks immediately preceding the opening of the College in October; and in addition, for members of the senior class only, during the first week in May.

**20.** The examinations provided for in the foregoing sections are *stated examinations*. Examinations of students in the College other than these, and held by special permission of the Dean, are *special examinations*.

A student found deficient in any subject at a stated examination will not be allowed a special examination in that subject.

A student absent from a stated examination in any subject will not be allowed a special examination in that subject, except that, if the absence was due to unavoidable circumstances, the Dean may, on proper written certification to him of the circumstances, grant a special examination.

The fee for a special examination is five dollars, which must be paid by the student before being admitted to the examination.

If a student has special examinations in several subjects granted him, under one permit from the Dean specifying each subject, one fee of five dollars shall cover them all.

### Proficiency and Deficiency

**21.** At the close of every half-year, and after the stated examination has been held, each officer of instruction will report to the Dean a list of all the students in his several courses, classifying them in five grades, namely, A, B, C, D, F, according as their work in the course has been excellent, good, fair, poor, or a failure. Each student's record, up to his senior year, will be transmitted to his parent or guardian by the Dean at the close of each half-year.

A student reported in grade F in any course, or a student absent from a mid-year or final examination in any course, will be accounted deficient in that course, and required to pass another examination in it at the time fixed for the stated examination of debarred and deficient students, unless, for reasons of weight, the Dean shall otherwise direct.

A student reported at the close of the first half-year in grade D in any course must be warned by the instructor in charge thereof that his work is so unsatisfactory that, unless improved, it may result in his being found deficient at the close of the second half-year.

A student reported in grade D in two or more courses may be required by the Dean to take the courses a second time or to substitute other courses.

**22.** No student may be advanced from the freshman to the sophomore class until he shall (*a*) have satisfied all the requirements for entrance, and (*b*) have not less than nine points to his credit.

No student may be advanced from the sophomore to the junior class until he shall have not less than twenty-four points to his credit.

No student may be advanced from the junior to the senior class until he shall (*a*) have completed the required gymnasium work, accomplished all the studies of the course specifically required in the first three years, and (*b*) have not less than forty-five points to his credit.

For advancement under the foregoing sections, a student must be reported in a grade above D in the greater number of the courses giving him the requisite total of points; failing which he shall be dropped from the roll of his class, unless the Dean, for reasons of weight, shall otherwise determine. A student dropped from the roll of his class will not be permitted to attend any of the exercises of the said

class without the consent of the Dean, given for reasons of weight; but he may enter the next succeeding class and pursue the course or courses in which his deficiency exists, or, in case of elective courses and with the consent of the Dean, other course or courses equivalent thereto in time, and present himself for examination in such course or courses with that class. No student dropped from the roll of his class under the provisions of this section will be accepted as a special student.

Should a student fail of advancement in two successive years, he shall be dropped from the roll of the College, unless, for reasons of weight, the Dean shall otherwise determine. No student dropped from the roll of the College under the provisions of this section will be accepted as a special student.

In all cases, the requirements for advancement from class to class must be satisfied before the first Monday in October.

### General Honors

*General Honors* are of two grades, Highest General Honors and General Honors, and are assigned not later than July 1 of each year, without application, under the following conditions:

*Highest General Honors* are awarded to students whose work in the previous college year entitles them to high academic distinction.

*General Honors* are assigned to students of marked excellence who have not won Highest General Honors.

### Departmental Honors

Departmental Honors are awarded at the end of the second year, the end of the third year, and the end of the course, and are known respectively as Sophomore Honors, Junior Honors, and Final Honors.

Sophomore Honors are awarded in classics, Germanic languages and literatures, Romance languages and literatures, English, comparative literature, and in mathematics.

Junior Honors are awarded in classics, Germanic languages and literatures, Romance languages and literatures, English, comparative literature, mathematics, physics and chemistry, and in history.

Final Honors are awarded in classics, Germanic languages and literatures, Romance languages and literatures, English, comparative literature, mathematics, physics and chemistry, zoölogy and botany, history, economics and social science, and in philosophy.

(*a*) No scholarship, prize, or other honor will be awarded in any course or department to any sudent who is reported in a grade below C in any other course or department during the year in which he is a candidate for such scholarship, prize, or honor.

(*b*) Each student to whom honors may be awarded in any department will receive, immediately after Commencement, a certificate of

such award, under the seal of the College and bearing the signatures of the President and the Dean.

For particulars, see special Announcement of the College.

### Prizes

(See page 35)

### Honorable Dismission

An honorable discharge shall always be granted to any student in good standing who may desire to withdraw from the College; but no student under the age of twenty-one years shall be entitled to a discharge without the assent of his parent or guardian, given in writing to the Dean.

Students are requested, in case of withdrawal during the academic year, to file a notice thereof at the office of the Registrar, who will on application provide the blank form for this purpose.

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For any further information the special Announcement of the College may be consulted.

# REGISTER OF STUDENTS

## SENIOR CLASS

Atkins, George Chew.....Bayonne, N. J.
Atkins, John Norton.....Bayonne City, N. J.
Bancroft, James.....Winchester, Mass.
Bartow, Clarence Whittemore.....(Q) New York City
Becker, Fred Jacob.....Garwin, Ia.
Bradley, Allan Beach Arnold.....(Mhtn) New York City
Brown, Harvey Scott.....Cleveland, O.
Budington, Ernest Gunton.....(Bklyn) New York City
Bullard, Oscar.....Helena, Mont.
Caldwell, Armour.....Bay Ridge, L. I.
Carey, Ralph Whitney.....(Mhtn) New York City.
Carter, Jarvis Pomeroy.....(Mhtn) New York City
Clark, Franklin Mortimer.....(Mhtn) New York City
Colie, Edward Martin, Jr.....E. Orange, N. J.
Collins, William Major.....(Mhtn) New York City
Cowen, Harry Gabriel.....(Mhtn) New York City
Danton, George Henry.....Lyndhurst, N. J.
Dillingham, Paul Shipman.....Montpelier, Vt.
Eron, Joseph Eli.....(Mhtn) New York City
Faile, Kenneth Crane.....(Mhtn) New York City
Falconer, Bruce McLean.....(Mhtn) New York City
Fisk, Clinton Earle.....Jersey City, N. J.
Ford, Harold Edward.....(R) New York City
Gerster, John Carl Arpad.....(Mhtn) New York City
Glenney, Walter Lester.....Plainfield, N. J.
Goldenweiser, Alexander.....Kiew, Russia
Goodfellow, Hugh.....Oakland, Cal.
Gookin, Warner Foote.....(Mhtn) New York City
Haas, George Christian Otto.....(Mhtn) New York City
Haberman, Julius Victor.....(Mhtn) New York City
Halsted, Kenneth Burt.....(Bklyn) New York City
Harper, James, Jr.....(Mhtn) New York City
Hays, Arthur Garfield.....(Mhtn) New York City
Hays, Harold M.....(Mhtn) New York City
Hellman, Alfred Myer.....(Mhtn) New York City
Heroy, James Harold.....(Mhtn) New York City
Hincks, Robert Beresford.....Long Branch, N. J.
Hogan, Thomas.....(Mhtn) New York City
Holland, Harry Steers.....(Mhtn) New York City
Holt, B. M.....Longmont, Colo.
Hopkins, Joseph Gardner.....(Bklyn) New York City
Hunt, Perry Dexter.....De Wittville, N. Y.
Huntting, George Hammond.....(Bklyn) New York City
Iglehart, Charles Wheeler.....Newburgh, N. Y.
Jenkins, Burke Pritchard.....(Mhtn) New York City

KELLY, RICHARD.....(Mhtn) New York City
KRUMWIEDE, CHARLES, Jr.....(Mhtn) New York City
LANGS, JOHN PIERCE.....Niagara Falls, N. Y.
LA ROCHE, PHILIP BEVAN, Jr.....(Mhtn) New York City
LAWRENCE, ALFRED STRATTON.....(Mhtn) New York City
LAWSON, WILLIAM W.....(Mhtn) New York City
LEDOUX, LOUIS VERNON.....(Mhtn) New York City
LEWY, HARRY MIER.....Galveston, Texas
LIEB, CHARLES CHRISTIAN.....(Mhtn) New York City
LITTELL, ROBERT JONES.....Summit, N. J
LOCKWOOD, SAMUEL PIERSON.....Yonkers, N. Y.
MACINTYRE, CLIFFORD BURNETT.....(Mhtn) New York City
MAHAN, LYLE EVANS.....(Mhtn) New York City
MERRILL, HOWARD BROWN.....Upper Montclair, N. J.
MEYERS, REUBEN ALFONSO.....(Mhtn) New York City
MIDDLETON, GEORGE.....(Mhtn) New York City
NESBIT, WILLIAM MARSIGLIA.....(Mhtn) New York City
OPPENHEIMER, FREDERIC G.....San Antonio, Texas
OTTENBERG, REUBEN.....(Mhtn) New York City
PELL, WALDEN.....(Mhtn) New York City
PERRINE, WILLIAM WOODWARD, Jr.....(Mhtn) New York City
PHILLIPS, LOUIS.....Mazeppa, Minn.
POINIER, HENRY LE BRUN.....E. Orange, N. J.
POTTS, ROCKHILL BREVOORT.....(Mhtn) New York City
PRINCE, HENRY STARR.....(Bklyn) New York City
PULLICH, OTTO.....(Mhtn) New York City
RHOADES, LYMAN, Jr.....(Mhtn) New York City
ROSE, CHARLES RESEAU.....So. Amboy, N. J.
ST. JOHN, THEODORE RAYMOND.....Centre Brunswick, N. Y.
SCHUSTER, EDWARD.....(Mhtn) New York City
SEWALL, FRANK HOUGHTON.....(Mhtn) New York City
SHOEMAKER, WILLIAM BROCK.....(Mhtn) New York City
SLADE, HARVEY SHATTUCK.....Yonkers, N. Y.
SMITH, HENRY KIRKLAND.....Ilion, N. Y.
SPENCE, HAROLD TUTHILL.....(Mhtn) New York City
SPENCER, JOSEPH WHITTLESEY.....(Mhtn) New York City
SPICER, CHARLES CLYDE.....(Mhtn) New York City
SPIEGELBERG, SIDNEY LEHMAN.....(Mhtn) New York City
STREBEIGH, ROBERT LEFFERTS.....(Mhtn) New York City
STURTEVANT, HORACE RICHMOND.....(Mhtn) New York City
WARD, GILBERT OAKLEY.....(Mhtn) New York City
WATERS, SPENCER.....(Mhtn) New York City
WEST, HENRY JAMES.....Garnerville, N. Y.
WHARTON, WILLIAM PARKER.....Martinsburg, Pa.
WILSON, STANLEY KIDDER.....(Mhtn) New York City
WINSLOW, ARCHIBALD SPIERS.....(Mhtn) New York City
WOOSTER, FLOYD RIDER.....Walden, N. Y.
WRIGHT, AVERY SKINNER.....Oswego, N. Y.
YOHANNAN, MALCOLM.....(Mhtn) New York City
Senior Class.....94

## JUNIOR CLASS

ABBOTT, CLINTON GILBERT.....(Mhtn) New York City
ADAMS, ALMON EDGAR.....(Mhtn) New York City
ALLEN, WILLIAM FITCH.....Oswego, N. Y.
ANSORGE, MARTIN CHARLES.....(Mhtn) New York City
ASCH, DAVID.....(Mhtn) New York City

BAKERMAN, JOHN JAMES.....Alliance, N. J.
BAMBACH, GEORGE FREDERICK.....(Mhtn) New York City
BARNET, NATHANIEL WARING.....Newburgh, N. Y.
BARTHOLOMEW, ROBERT BRADFORD.....(Mhtn) New York City
BASS, MURRAY HAROLD.....(Mhtn) New York City
BECHERT, ALEXANDER OTTO.....(Bklyn) New York City
BIGONGIARI, DINO.....(Bklyn) New York City
BRIGGS, YEOMAN.....Rochester, N. Y.
BRINCKERHOFF, HERBERT CORLIES.....Mt. Vernon, N. Y.
BRUSSEL, LAWRENCE MAURICE.....(Mhtn) New York City
BUTLER, BENJAMIN FRANKLIN.....(Mhtn) New York City
BUTLER, GEORGE HENRY, Jr.....(Mhtn) New York City
CASAMAJOR, LOUIS.....(Bklyn) New York City
COLIE, DAYTON.....E. Orange, N. J.
COMSTOCK, WILLIAM PHILLIPS.....(Mhtn) New York City
CROWELL, JOHN WHITING.....(Q) New York City
DANA, CHARLES ANDERSON.....(Mhtn) New York City
DAVIS, ALBERT.....(Bklyn) New York City
DODGE, MARCELLUS HARTLEY.....(Mhtn) New York City
DUDEN, FREDERICK HENRY.....(B) New York City
DYRSEN, HARRY HAMMAN.....(Mhtn) New York City
EARLE, VICTOR DE LA MONTAGNE.....(Mhtn) New York City
EGNER, ARTHUR FREDERICK.....Newark, N. J
ELIAS, HENRY HART.....(Mhtn) New York City
FALK, MILTON A.....(Mhtn) New York City
FINK, COLIN GARFIELD.....(Mhtn) New York City
FITCH, JOHN KNOWLES.....Passaic, N. J.
FORT, JACOB IRVING.....Newark, N. J.
FRANK, WALTER.....(Mhtn) New York City
GEER, ENOS THROOP.....(Mhtn) New York City
GOFF, JOHN WILLIAM.....(Mhtn) New York City
GOODMAN, FRANK VALENTINE.....(Mhtn) New York City
HAAS, HERBERT JOSEPH.....Atlanta, Ga.
HALSEY, HAROLD VAN WYCK.....(Q) New York City
HANNAH, HERBERT LESLIE.....Salem, N. J.
HARRISON, RICHARD COMPTON.....(Bklyn) New York City
HENDRICKSON, CHARLES LEROY.....(Bklyn) New York City
HEYMAN, HENRY K.....(Mhtn) New York City
HILLS, WILLIAM FORREST.....(Mhtn) New York City
HOFFMAN, ALFRED.....(Bklyn) New York City
ISAACS, STANLEY MYER.....(Mhtn) New York City
JENKS, MAURICE LAMOTTE.....Boonville, N. Y.
JOHNSTON, RICHARD HARRY.....(Bklyn) New York City
KAHN, ELY JACQUES.....(Mhtn New York City
KEELER, HOWARD ALLEN.....(Mhtn) New York City
KENNEDY, CHARLES WILLIAM.....(R) New York City
KOENIG, NICHOLAS AUGUST.....(Mhtn) New York City
LEBER, OTTO H.....Hoboken, N. J.
LEE, ELIOT.....(Mhtn) New York City
LEFFERTS, BARENT.....(Mhtn) New York City
LE FEVRE FRANCIS EDWARD.....(Mhtn) New York City
LEWIS, ALFRED HOLMES.....Greenwich, Conn.
LOVEMAN, HERBERT SPENCER.....(Mhtn) New York City
MCCALLOM, HAROLD CHAFFEE.....(Bklyn) New York City
MCKINNEY, FRANCIS WILLIAM.....(Mhtn) New York City
MCWHOOD, JAMES KEMLO.....Newark, N. J.
MANDELBAUM, HERBERT D.....(Mhtn) New York City
MENOCAL, DANIEL AMMEN.....(Mhtn) New York City

Moses, James Garfield, A.B., *University of Louisville*.....Louisville, Ky.
Odell, Herbert Roe.....Newburgh, N. Y.
Odell, Louis S.....Moravia, N. Y.
O'Laughlin, Gerald Stuart.....(Mhtn) New York City
Perry, Thomas Lockwood.....(Mhtn) New York City
Peters, Harry Twyford.....Islip, N. Y.
Ridder, Bernard Herman.....(Mhtn) New York City
Riggs, Lawrason, Jr.....Ridgefield, Conn.
Ropes, Chapman.....Morristown, N. J.
Scharps, Charles Edward.....(Mhtn) New York City
Schulman, Robert.....(Bklyn) New York City
Schuyler, Robert Livingston.....(Mhtn) New York City
Seil, Harvey Ambrose.....Perth Amboy, N. J.
Shainwald, Ralph Louis, Jr.....(Mhtn) New York City
Shields, Harold.....Nicholson, Pa.
Shoenfeld, Jerome Benjamin.....(Mhtn) New York City
Simpson, Kenneth Miller.....Beaver Falls, Pa.
Spiegelberg, Walter Scott.....(Mhtn) New York City
Strasser, Arthur L.....(Mhtn) New York City
Sutton, George Augustus Keen.....(Mhtn) New York City
Taylor, John Warner.....Utica, N. Y.
Tellzy, Samuel Abraham.....Bklyn) New York City
Tinker, Edward Larocque.....(Mhtn) New York City
Turnbull, William Fyfe.....27 Park Pl., Orange, N. J.
Toussaint, Camille Augustus.....Jersey City, N. J.
Von Sholly, Benjamin Rudolph.....(Q) New York City
Wallstein, Leonard Michael.....(Mhtn) New York City
Weekes, Arthur Delano, Jr.....(Mhtn) New York City
Wells, Frederic Lyman.....(Mhtn) New York City
Werner, Gerard Bernard.....(Mhtn) New York City
Willis, Reginald Satterlee.....(Mhtn) New York City
Wolff, Edwin.....(Mhtn) New York City
Wortmann, Albert.....(Mhtn) New York City
Wyatt, Christopher Billopp.....(Mhtn) New York City
Wyckoff, Clarence Johnson.....(Bklyn) New York City

Junior Class.....98

## SOPHOMORE CLASS

Abeles, Harry.....(Mhtn) New York City
Aery, William Anthony.....Elmhurst, N. Y.
Agate, Frederic Joseph.....Yonkers, N. Y.
Allen, Theodore Henry.....(Mhtn) New York City
Bates, William Stephen.....Port Chester, N. Y.
Beekman, Henry Rutgers.....(Mhtn) New York City
Beha, Joseph L.....Constableville, N. Y.
Blake, Clinton Hamlin, Jr.....Englewood, N. J.
Bovey, John Masters, Jr.....(Mhtn) New York City
Brace, Donald Clifford.....Dallas, Texas
Bryant, William Sidney, Jr.....Dallas, Texas
Carlsson, Carl Pontus.....(Mhtn) New York City
Davis, Abraham Moses.....(Mhtn) New York City
Deyo, Leib.....Yonkers, N. Y.
Eckert, Whitney.....(Mhtn) New York City
Elgas, Harold Mortimer.....(Mhtn) New York City
Ellis, George Adams.....Castleton, Vt.
Fisher, John Redwood.....Swiftwater, Pa.
Forbes, Francis Bonner.....(Mhtn) New York City
Foucar, Frederic Hultman.....(Mhtn) New York City

FOUNTAIN, CHARLES HILLMAN.....Plainfield, N. J.
FRIED, EDWARD SAMSON.....(Mhtn) New York City
FULD, LEONHARD FELIX.....(Mhtn) New York City
GILLET, LOUIS BLISS.....(Mhtn) New York City
GISSEL, HENRY WILLIAM, Jr.....(Bklyn) New York City
GOLDBERGER, NORMAN SAMUEL.....(Mhtn) New York City
GOLDFRANK, WALTER S.....(Mhtn) New York City
GRAVENHORST, PAUL GERHARD.....(Bklyn) New York City
GREENE, VAN RENSSELAER HOFF.....(Mhtn) New York City
GUTMAN, ARTHUR S.....(Mhtn) New York City
HAMMERSLOUGH, ROSSIN LEWIS.....(Mhtn) New York City
HANEMANN, EDWARD L.....(Mhtn) New York City
HARCOURT, ALFRED.....New Paltz, N. Y.
HARRIS, HERBERT HENRY.....(Mhtn) New York City
HAYES, CARLTON HUNTLEY.....Afton, N. Y.
HILL, EMORY.....Scottsville, Va.
HOUSTON, OSCAR REMPEL.....(Mhtn) New York City
HURLEY, THOMAS LESTER.....(Mhtn) New York City
JACKSON, ROLAND PEARCE.....(Mhtn) New York City
JACOBS, WALTER ABRAHAM.....(Mhtn) New York City
JOUARD, FAREL LOUIS.....(Mhtn) New York City
KAHN, ALBERT LOUIS.....(Mhtn) New York City
KERR, ARTHUR THOMAS.....El Paso, Texas
KILROE, EDWIN PATRICK.....Jersey City, N. J.
KNAUFF, GRANT.....(Q) New York City
KNOX, JAXON.....(Mhtn) New York City
KOENIG, EDWIN BRILL.....(Mhtn) New York City
KREUDER, HERMAN ERNEST.....(Mhtn) New York City
KRUSA, HENRY BISCHOFF.....(Bklyn) New York City
LANDAUER, LEO LEVY.....Natchez, Miss.
LAWSON, CHARLES FRANCIS.....(Mhtn) New York City
LAWTON, MAXWELL FRANCIS.....(Bklyn) New York City
LINDSAY, JANVIER WHITTON.....Washington, D. C.
MCANENY, LEONARD GORDON.....Jersey City, N. J
MAEDER, JOHN SAMUEL.....(Mhtn) New York City
MAGRUDER, HERBERT THOMAS.....Bay Ridge, N. Y.
MEGRUE, ROI COOPER.....(Mhtn) New York City
METTLER, CHARLES G.....Klines Grove, Penn.
MOELLER, PHILIP.....(Mhtn) New York City
MUNKER, MAURICE J.....(Mhtn) New York City
MYERS, JAMES.....(Mhtn) New York City
NEWBURGER, HARRY W.....New Albany, Ind.
O'CONNELL, FRANK LOUIS.....(Mhtn) New York City
OPPENHEIMER, EDGAR DAVIDSON.....(Mhtn) New York City
OSBORN, CHARLES WHYTLAW.....Bellport, L. I.
OTTENBERG, IRVING.....(Mhtn) New York City
PARR, HARRY LILIENTHAL.....Yonkers, N. Y.
PAUR, HANS S. THEODOR.....(Mhtn) New York City
PERKINS, ISAAC CLENDENNIN.....(Mhtn) New York City
PITOU, EUGENE, Jr.....(Mhtn) New York City
PITSKE, EDGAR DUDENSING.....(Mhtn) New York City
POTTS, GEORGE HENRY.....(Mhtn) New York City
PUTZEL, ROBERT M.....(Mhtn) New York City
REIS, ARTHUR MAURICE.....(Mhtn) New York City
ROBBINS, ROBERT DUMONT.....(Mhtn) New York City
ROBINSON, JAMES LATIMER.....(Bklyn) New York City
SCHRAMM, ARNOLD O.....(Mhtn) New York City
STAUFFEN, ERNEST, Jr.....(Mhtn) New York City

Steeves, Harrison Ross.....(Mhtn) New York City
Stein, Herbert Leo.....(Mhtn) New York City
Stray, Arthur Thomas.....Ossining, N. Y.
Sweeney, John Cuthbert.....(Bklyn) New York City
Swenson, John August.....(Bklyn) New York City
Swortfiguer, Henry Bragdon.....(Mhtn) New York City
Thoman, William Frederic.....(Mhtn) New York City
Tice, Walter Alvin.....(Mhtn) New York City
Tintner, Benjamin Abner.....(Mhtn) New York City
Toy, Channing Rust.....(Mhtn) New York City
Trotter, James Patten.....Yonkers, N. Y.
Updike, Edward Hoyt.....(Mhtn) New York City
Van Ness, Schuyler Waldron.....Newark, N. J.
Verplanck, John Bayard Rodgers.....Fishkill, N. Y.
Vogel, Edwin Chester.....(Mhtn) New York City
Von Bernuth, Rudolph Ludwig.....(Mhtn) New York City
Waltz, Jacob.....(Mhtn) New York City
Warren, Arthur Dudley.....(Mhtn) New York City
Warren, George Earle.....(Mhtn) New York City
Weidmann, Otto W.....(Bklyn) New York City
Weissman, Clarence.....(Mhtn) New York City
Whitin, Ernest Stagg.....(Mhtn) New York City
Wile, Udo Julius.....(Mhtn) New York City
Willcox, James Ernest.....Oxford, N. Y.
Wilson, Randolph Colclough.....(Mhtn) New York City
Wuppermann, Raphael Kuhner.....(Mhtn) New York City
Sophomore Class.....104

## FRESHMAN CLASS

Akin, Albert John, 2d.....(Mhtn) New York City
Albert Herman Winfred.....Jersey City, N. J.
Arnold, John Welles.....(Mhtn) New York City
Bach, Frank A.....(Mhtn) New York City
Barrick, Samuel Lloyd.....Jersey City, N. J.
Barrows, William Burnet.....(R) New York City
Batchelor, Charles Bronk.....(Mhtn) New York City
Bloomfield, Allen J.....Richfield Springs, N. Y.
Bogue, Frank Tefft.....(Bklyn) New York City
Boyesen, Bayard Holland.....(Mhtn) New York City
Bradley, Robert Holmes.....(Mhtn) New York City
Brands, Carl.....Paterson, N. J.
Brittain, Alexander Algas.....Hoboken, N. J.
Burnett, Henry Lawrence, Jr.....(Mhtn) New York City
Busch, Albert Henry.....(Mhtn) New York City
Caroline, Hyman.....(Mhtn) New York City
Carpenter, Warwick Stevens.....North Hoosick, N. Y.
Cooper, Frederick Sims.....(Mhtn) New York City
Crawford, Eben Grant.....Franklin, Pa.
Cuthel, Chester Welde.....(Mhtn) New York City
Day, Marshall Mallory.....(Mhtn) New York City
Deyo, Harrison.....Yonkers, N. Y.
Duell, William Comstock.....Tarrytown, N. Y.
Earle, William Pitt Striker.....(Mhtn) New York City
Elgar, Harold Benjamin.....(Mhtn) New York City
Elsberg, Albert Marion.....(Mhtn) New York City
Falion, George Marcus.....(Bklyn) New York City
Ferris, Morris Douw.....Dobbs Ferry, N. Y.
Fraenckel, Richard Herman, Jr.....(Mhtn) New York City

FRANK, JOSEPH JULIUS.....(Mhtn) New York City
GAIGE, ROSCOE CROSBY.....Nelson, N. Y.
GEER, WILLIAM MONTAGUE, Jr.....(Mhtn) New York City
GESTEFELD, DON HEATHFIELD.....Pelham, N. Y.
GOLDWATER, EDWARD.....(Mhtn) New York City
GREASON, ALFRED.....(Mhtn) New York City
GROSSMANN, WALDEMAR HEINRICH.....(Mhtn) New York City
HAGEMAN, GEORGE RUSSELL.....(Mhtn) New York City
HEATON, JAMES PUTNAM.....(Bklyn) New York City
HESS, EDWARD.....(Mhtn) New York City
HIGBIE, JOHN ROBBINS.....(Mhtn) New York City
HOYT, RUSSELL PRATT.....(Mhtn) New York City
HUBBARD, RALPH HUSTACE.....(Mhtn) New York City
ISAACS, MEYER S.....(Mhtn) New York City
ISELIN, LEWIS.....(Mhtn) New York City
JOSEPHS, IRVING SAMUEL.....(Mhtn) New York City
KAYE, BENJAMIN MARK.....(Mhtn) New York City
KLEEBERG, GORDON SAUL PHILIP.....(Mhtn) New York City
KLEIN, FREDERICK.....(Mhtn) New York City
KRAETZER, EDGAR RAYMOND.....(Mhtn) New York City
LAHNSTEIN, CECIL MORRIS.....(Mhtn) New York City
LAMONT, JOSEPH R.....(Bklyn) New York City
LE ROY, ROBERT.....(Mhtn) New York City
LEVY, BENJAMIN MORRIS.....(Mhtn) New York City
LEWISOHN, JULIUS ARTHUR.....(Mhtn) New York City
LINDSLEY, GEORGE LEONARD.....Orange, N. J.
LOENING, RUDOLPH RUBINO.....(Mhtn) New York City
LONG, W. BAYARD.....(Mhtn) New York City
LUBLIN, CURTIS.....(Mhtn) New York City
LYFORD, EDWARD BERT.....Montclair, N. J.
LYLE, MERVIN ELLSWORTH, Jr.....(Mhtn) New York City
MCDONALD, FRANK PETER.....(Mhtn) New York City
MCDONALD, JAMES EDWARD.....(Mhtn) New York City
MCKENZIE, DAVID ANDREW.....Newark, N. J.
MCLINTOCK, HERBERT MONTGOMERY.....(Mhtn) New York City
MACKENZIE, ALEXANDER.....Dobbs Ferry, N. Y
MACKIE, PAUL B.....(Mhtn) New York City
MALMBERG, THEODORE JAMES WILLIAM.....(Mhtn) New York City
MARKS, ELKAN.....(Mhtn) New York City
MEDALIE, GEORGE ZERDIN.....(Mhtn) New York City
MESSER, WILLIAM STUART.....Jersey City, N. J.
MESTRE, HAROLD.....(Mhtn) New York City
MITCHELL, WILLIAM JOHN.....(Mhtn) New York City
MOONEY, HARRY RICH.....(Mhtn) New York City
MORRALL, CHARLES FRANCIS.....Bethel, Conn.
MORRIS, DUDLEY H.....(Mhtn) New York City
MOTT, WALTER WESLEY.....(Mhtn) New York City
NEWELL, WILLIAM.....Montclair, N. J.
NICHOLS, CLARENCE.....Yonkers, N. Y.
NOBLE, FLOYD CLARKE.....(Mhtn) New York City
OLLIVE, THOMAS MARCUS.....(Mhtn) New York City
OPPER, LAWRENCE.....(Bklyn) New York City
OTTEN, LEONARD FLAGGE.....(Mhtn) New York City
PIEL, WILLIAM F. J.....(Bklyn) New York City
PIERREPONT, RUTHERFORD STUYVESANT.....(Bklyn) New York City
PITT, GERARD.....New Rochelle, N. Y.
POTTS, GEORGE HENRY.....(Mhtn) New York City
PRALL, JOHN GOLDSMITH.....(Q) New York City

PUTNAM, WILLIS HAVEN.....(Mhtn) New York City
RIBLET, RONALD FRANK.....(Mhtn) New York City
RICH, ENDICOTT GARDNER.....(Mhtn) New York City
ROBINSON, JOSEPH PECK.....Orange, N. J.
RODMAN, BAYARD BLACKWELL.....(Q) New York City
ROSENSON, HARRY JAMES.....(Bklyn) New York City
ROTHSCHILD, WALTER L.....(Mhtn) New York City
SAPIR, EDWARD.....(Mhtn) New York City
SCHWED, HARRY.....Somerville, N. J.
SCOTT, IRVING G.....(Mhtn) New York City
SELVAGE, IRVING LESTER.....Newark, N. J.
SEYMOUR, JOHN COTES, Jr.....(Mhtn) New York City
SIMONDS, WILLIAM BLOCKALL, Jr.....(Mhtn) New York City
SLOSSON, STEWARD.....(Mhtn) New York City
SMITH, BERT VEITCH.....(B) New York City
SMITH, LESLIE BREWSTER.....(Mhtn) New York City
SMITH, PHILIP MACK.....(Bklyn) New York City
SOMMERS, MAURICE ISAAC.....(Mhtn) New York City
SPECK, FRANK G.....Hackensack, N. J.
SPENCE, LEWIS GARFIELD.....(Mhtn) New York City
SPINGARN, SIGMUND.....(Mhtn) New York City
SPRAGUE, FRANKLIN KENNEDY.....(Mhtn) New York City
STEPHENS, WILLIAM VAN VOORHIS.....(Mhtn) New York City
STEPHENSON, ALBERT GRANT.....(Mhtn) New York City
SWOPE, HAROLD BROWN.....Biltmore, N. Carolina
TAYLOR, JAMES ALBERT.....Utica, N. Y.
THOMAS, HAROLD LIVINGSTON REED.....Highland Falls, N. Y.
THURBER, ALFRED EDWARD.....Rutherford, N. J.
THURSTON, EDWARD DAY, Jr.....(Mhtn) New York City
TILT, WILLIAM AUGUSTUS.....(Mhtn) New York City
TOLCHINSKY, JOSEPH.....(Bklyn) New York City
TOMPKINS, GRENELLE BERTRAM.....Paterson, N. J.
TONNELÉ, JOHN LUNEAN, Jr.....(Mhtn) New York City
TOWNSEND, HENRY CLARK, Jr.....(Mhtn) New York City
TOWNSEND, STILLMAN DANA.....E. Orange, N. J.
TREAT, HUGH PETERS.....(Mhtn) New York City
TUCKER, GEORGE WASHINGTON, Jr.....(Bklyn) New York City
VAN BUREN, JOHN DASH, Jr.....Newburgh, N. Y.
VAN NOSTRAND, NORMAN WYCOFF.....(Q) New York City
VREELAND, LOUIS BEACH.....Paterson, N. J.
WALDRON, JAMES LAURENCE.....(Bklyn) New York City
WALLACH, KAUFMAN RICHARD.....(Mhtn) New York City
WEBB, HAROLD WORTHINGTON.....Glen Ridge, N. J.
WELCH, HERBERT ALEXANDER.....Lake Placid, N. Y.
WHITE, ROBERT JENKINS.....(Mhtn) New York City
WILLIS, ARTHUR LIVINGSTON.....(Mhtn) New York City
WOOD, CHALMERS, Jr.....(Mhtn) New York City
WYLIE, JOHN PARR.....(Mhtn) New York City
YOUNG, CHARLES OLIVER.....(Mhtn) New York City
YOUNGER, GUSTAVUS ADOLPHUS.....West New Brighton, N. Y.
YOUNKER, IRA MARKS.....(Mhtn) New York City
ZEIGER, GEORGE VREELAND.....Montclair, N. J.
ZEITLIN, JACOB.....(Mhtn) New York City
Freshman Class.....140

## SPECIAL STUDENTS

AVERY, STANLEY ROBERT.....Yonkers, N. Y.
BAVETTA, VINCENZO.....(Bklyn) New York City

BEEKMAN, FENWICK.....(Mhtn) New York City
BIRKHAHN, ROBERT CHARLES.....(Mhtn) New York City
BOYESEN, ALGERNON KEEN.....(Mhtn) New York City
BROWNE, DUNCAN HODGE.....(Mhtn) New York City
CARTER, THEODORE PARKMAN.....(Mhtn) New York City
CHAMPION, JOHN CROSS.....Rome, N. Y.
DALSIMER, PHILIP THAL.....(Mhtn) New York City
DAY, HAROLD CURRIER.....(Mhtn) New York City
DUDLEY, PENDLETON.....(Mhtn) New York City.
DUNCAN, WILLIAM HENRY, Jr.....(Bklyn) New York City
ELSWORTH, HAROLD J.....Irvington-on-Hudson, N. Y.
FINNEY, CHARLES ALEXANDER.....Bradford, Pa.
FONDA, DOUW HENRY.....Gloversville, N. Y.
FORD, F. GUALDO.....Morristown, N. J.
FRANCE, ALBERT LEE.....St. Joseph, Mo.
FUTTER, LEON NATHAN.....College Pt., L. I.
GRANT, FRANCIS SAMUEL.....(Mhtn) New York City
HEDINGER, HARRIS BRADY.....(Mhtn) New York City
HOWES, HENRY WRIGHT.....(Mhtn) New York City
HOWLAND, DE RUYTER.....New Rochelle, N. Y.
HUGHES, DON EMANUEL.....Olean, N. Y.
KELLEY, ROBERT HENRY.....Tuckahoe, N. Y.
KELLOGG, PAUL UNDERWOOD.....Kalamazoo, Mich.
KENT, WILLYS PECK.....(Mhtn) New York City
KERR, ALBERT WILLIAM.....(Mhtn) New York City
KINGAN, ROBERT WILLIAM JAMES.....(Mhtn) New York City
LINCOLN, JOHN WILLARD.....(Mhtn) New York City
LINDEMAN, HOWARD EDWARD.....(Mhtn) New York City
LOCKHART, EDWARD VERN.....(Mhtn) New York City
LONG, MILTON CLYDE.....Springfield, Mass.
MCKELDEN, WILLIAM BLAGROVE, Jr.....Washington, D. C.
MAY, JOHN JOSEPH.....(Bklyn) New York City
MOCKRIDGE, OSCAR ABRAHAM, B.S., *Pennsylvania Military College*.....Newark, N. J.
MOTTE, JOSEPH WASHBURNE.....(Mhtn) New York City
MULLER, NICHOLAS WALTER.....(Mhtn) New York City
OLIN, RAYMOND HARVEY.....(Mhtn) New York City
PETTIGREW, FRANK SAWTELLE.....Sioux, So. Dakota
QUINN, JAMES HENRY.....North Adams, Mass.
ROBINSON, ANSON FLOWER.....(Mhtn) New York City
ROLLINS, WARREN FANSHAW.....(Bklyn) New York City
ROSSBACH, WILLIAM.....Mt. Vernon, N. Y.
SAND, ETHELBERT L.....Ardsley-on-Hudson, N. Y.
SCHROEDER, RUDOLPH CARL THEODORE, Jr.....Hoboken, N. J.
SMIRNOW, LOUIS, M.D., *Yale*.....New Haven, Conn.
STRATFORD, ARTHUR CHAZETTE.....Jersey City, N. J.
TAFT, THOMAS KNAPP.....Cornwall-on-Hudson, N. Y.
WADHAMS, FRANCIS RAY.....Goshen, Conn.
WEEKES, HAROLD HATHAWAY.....(Mhtn) New York City
WESTERVELT, LEONIDAS.....(Mhtn) New York City
WHEELER, HOWARD DURYEE.....Montclair, N. J.

Special Students..... 52

## SUMMARY

| | |
|---|---|
| Senior Class | 94 |
| Junior Class | 98 |
| Sophomore Class | 104 |
| Freshman Class | 140 |
| Special Students | 52 |
| Total | 488 |

# SCHOOL OF LAW

## OFFICERS OF INSTRUCTION AND GOVERNMENT

### Officers of the Faculty

GEORGE W. KIRCHWEY, A.B....*Dean and ex-officio Member of the University Council*
FRANCIS M. BURDICK, LL.D.....*Secretary and elected Delegate to the University Council*

### Faculty of Law

NICHOLAS MURRAY BUTLER, LL.D., *Acting-President.*
GEORGE W. KIRCHWEY, A.B.....*Nash Professor of Law*
WILLIAM A. KEENER, LL.D.....*Kent Professor of Law*
FRANCIS M. BURDICK, LL.D.....*Dwight Professor of Law*
GEORGE F. CANFIELD, A.B., LL.B.....*Professor of Law*
HENRY STEPHEN REDFIELD, A.M., LL.D.....*Professor of Law*

### Lecturers

CHARLES T. TERRY, A.B., LL.B. HARLAN F. STONE, A.M., LL.B.

### From the Faculty of Political Science

JOHN W. BURGESS, Ph.D., LL.D....*Professor of Political Science and Constitutional Law*
MUNROE SMITH, A.M., J.U.D.....*Professor of Roman Law and Comparative Jurisprudence*
FRANK J. GOODNOW, LL.D.....*Professor of Administrative Law*
JOHN B. MOORE, LL.D....*Hamilton Fish Professor of International Law and Diplomacy*

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WILLIAM H. SWITZER.....*Law Librarian*

## PURPOSES OF THE SCHOOL

The design of the school is to afford a thorough, practical, and scientific education in the principles of the law, as follows:

First.—The COMMON and STATUTE LAW of the UNITED STATES.

Second.—The ENGLISH and AMERICAN SYSTEM of EQUITY JURISDICTION.

Third.—The PUBLIC LAW of the UNITED STATES and EUROPE.

Fourth.—The ROMAN LAW—Ancient and Modern.

Fifth.—THEORETICAL and COMPARATIVE JURISPRUDENCE.

## COURSE OF INSTRUCTION

### First Year

CONTRACTS—Keener's Cases on Contracts. 4 hours a week. Mr. TERRY

CRIMINAL LAW—Beale's cases on Criminal Law. 2 hours a week.‡ Mr. STONE

DOMESTIC RELATIONS AND LAW OF PERSONS—Woodruff's Cases on Domestic Relations. 2 hours a week.*

ELEMENTS OF JURISPRUDENCE—Keener's Selections on Jurisprudence. 2 hours a week.† Professor KEENER

EQUITY—Origin and Nature, Bills of Peace, Interpleader, Quia Timet, Removal of Cloud upon Title, Jurisdiction over Torts.—Keener's Cases on Equity, Vol. 1. 2 hours a week.† Professor KEENER

PLEADING AND PRACTICE—Perry on Pleading. 2 hours a week. Professor REDFIELD

REAL AND PERSONAL PROPERTY—Tenures, Estates, Nature and Incidents of Ownership, Conveyancing, Landlord and Tenant. Kirchwey's Readings in Real Property; Gray's Cases on Property, Vol. 3. 2 hours a week. Professor KIRCHWEY

TORTS—Burdick's Cases on Torts; Pollock on Torts. 2 hours a week. Professor BURDICK

AMERICAN CONSTITUTIONAL LAW IN ITS HISTORICAL DEVELOPMENT. 2 hours a week.‡ Professor BURGESS.

### Second Year

AGENCY—Wambaugh's Cases on Agency. 2 hours a week. Professor CANFIELD

BAILMENTS AND CARRIERS—McClain's Cases on Carriers. 2 hours a week. Mr. STONE

EQUITY—Trusts. Ames's Cases on Trusts. 2 hours a week. Professor KEENER

INSURANCE—Richards on Insurance. 1 hour a week. Mr. STONE

NEGOTIABLE PAPER—Ames's Cases on Bills and Notes. 2 hours a week. Professor BURDICK

* This course is omitted in 1901–02.

† These courses together occupy two hours a week throughout the year. The course in Equity follows that in Jurisprudence.

‡ An election may be made between Criminal Law and American Constitutional Law.

PLEADING AND PRACTICE—2 hours a week. Professor REDFIELD

QUASI-CONTRACTS—Keener's Cases on Quasi-Contracts. 2 hours a week. Professor KIRCHWEY

REAL AND PERSONAL PROPERTY—Easements, Covenants Affecting Land, Watercourses, Public Rights, etc. Gray's Cases on Property, Vols. 2 and 3. 2 hours a week. Professor KIRCHWEY

SALES OF PERSONAL PROPERTY—Burdick's Cases on Sales (2d Ed.), Burdick on Sales (2d Ed.). 2 hours a week. Professor BURDICK

ADMINISTRATIVE LAW—2 hours a week. Professor GOODNOW

COMPARATIVE CONSTITUTIONAL LAW—2 hours a week. Professor BURGESS

INSTITUTES OF ROMAN LAW—2 hours a week. Professor MUNROE SMITH

**Third Year**

BANKRUPTCY—2 hours a week.*

CORPORATIONS—Keener's Cases on Corporations. 2 hours a week. Professor KEENER

EQUITY—Jurisdictions over Contracts, Account, Equitable Conversion. Keener's Cases on Equity, Vols. 2 and 3. 2 hours a week. Professor KEENER

EVIDENCE—Thayer's Cases on Evidence. 2 hours a week. Professor CANFIELD

NEW YORK LAW, DOCTRINES PECULIAR TO—Trusts, Powers, Perpetuities, Charitable Devises, etc. 2 hours a week.† Professor CANFIELD

PARTNERSHIP—Burdick's Cases on Partnership; Burdick on Partnership. 2 hours a week. Professor BURDICK

PLEADING AND PRACTICE—2 hours a week.‡ Professor REDFIELD

REAL AND PERSONAL PROPERTY—Conditions, Future Estates, Priorities, Restraints on Alienation, Perpetuities, etc. Gray's Cases on Property, Vols. 5 and 6. 2 hours a week. Professor KIRCHWEY

SURETYSHIP AND MORTGAGE—Ames's Cases on Suretyship; Kirchwey's Cases on Mortgage. 2 hours a week.§ Professors BURDICK and KIRCHWEY

WILLS AND ADMINISTRATION—Gray's Cases on Property, Vol. 4. 2 hours a week. Professor REDFIELD

COMPARATIVE JURISPRUDENCE—2 hours a week.‖ Professor MUNROE SMITH

CONFLICT OF LAWS—1 hour a week. Professor MOORE

INTERNATIONAL LAW—2 hours a week. Professor MOORE

*Omitted in 1901–02.

†Second half-year.

‡First half-year.

§The course on Suretyship is given during the first half-year by Professor BURDICK; the course on Mortgages during the second half-year by Professor KIRCHWEY. These courses cannot be taken separately.

‖This course, which is given only in alternate years, is open also to second-year students

MUNICIPAL CORPORATIONS—1 hour a week. Professor GOODNOW

SPANISH-AMERICAN LAW—1 hour a week. Professor MUNROE SMITH

LAW OF TAXATION—1 hour a week. Professor GOODNOW

### Practice Courts

Moot Courts, conducted with special reference to the courses in pleading and practice, will constitute a regular feature of the work of the second and third years. They will be under the supervision of Professor REDFIELD

### Requirements for Admission

All applicants for admission to the school must be of good moral character, and must be at least eighteen years of age for admission to the work of the first-year class at its formation, and of a corresponding increase of age for admission to advanced standing.

Graduates of colleges and scientific schools in good standing are admitted without examination. All persons other than such graduates must be eligible for admission to the Sophomore class of the College, or present the Academic Diploma of the Regents of the State of New York, or a certificate acceptable to the Regents in lieu thereof.

*Beginning with the academic year* 1903–04 *no person will be admitted to the school except graduates of colleges and scientific schools in good standing, or persons presenting satisfactory evidence of equivalent training.*

### Advanced Standing

Applicants for admission to advanced standing must produce satisfactory evidence of having spent as much time in some school having a required course of three years leading to the degree of Bachelor of Laws as has been spent in this school by the class to which admission is sought, and must in addition thereto pass satisfactory examinations in all the work previously done by the class to which they seek admission. No certificate or diploma will be accepted in lieu of these examinations for advanced standing. No applicant will be admitted to advanced standing beyond the second year except by special vote of the faculty.

Applicants for admission to advanced standing will be required to produce evidence of having been qualified to enter the school at the formation of the class to which they seek admission. Examinations for advanced standing are held at the end of the academic year and during the week preceding the first Monday in October.

### Special Students

Applicants who do not desire to become candidates for a degree may, if qualified to become candidates for a degree, pursue a special course

of study approved by the Dean. Such students will be classified as special students. No one will be admitted to the school to pursue advanced work as a special student who has not passed satisfactory examinations in the contract, equity, and property courses preceding such work in point of time.

Special students must present themselves for examination in each subject selected by them at the first examination held therein, and must pass satisfactory examinations in a majority of the subjects, as a condition of continuing in the school.

### Examinations

Written examinations are held at the end of each year on the subjects of that year and on the subjects of the first and second years during the week preceding the first Monday in October.

No student is admitted to advanced standing who has failed to pass satisfactory examinations in more than four hours of work per week. Any student failing in the final examinations held at the end of the first and second years may present himself for re-examination during the week preceding the first Monday in October. No student failing a third time in any given subject will be allowed to continue in the school.

No special examinations are given.

## DEGREES AND CERTIFICATES

### Bachelor of Laws

The course of instruction leading to the degree of Bachelor of Laws covers a minimum period of three years, in which there are offered sixty-five hours of instruction per week throughout the year. In the first year are offered sixteen hours of instruction per week; in the second year twenty-three hours of instruction per week; in the third year twenty-six hours of instruction per week, in addition to the nine hours per week in the second year not offered for the degree during that year.

The degree of Bachelor of Laws is conferred only upon students who have passed satisfactory examinations in courses covering a total of forty-two hours per week.

To obtain this degree in three years the student must take courses covering fourteen hours per week in each of the three years.

While no student will be allowed to present himself for examination in any one year in subjects covering more than fourteen hours per week, any one desiring to prolong the period of study for the degree of LL.B. beyond three years will be permitted to reduce thereby the amount of work in any one year necessary for the degree. The faculty would strongly advise students who have not had an oppor-

tunity of thoroughly studying history, economics, and finance, so to prolong their course of study in order that they may avail themselves of the opportunity offered in the School of Political Science for studying these subjects.

The work selected by a student for a degree in law is subject in every case to the approval of the Dean.

**Master of Laws**

(See page 208)

**Master of Arts**

(See page 203)

## REGISTER OF STUDENTS

### THIRD YEAR CLASS

AARONS, SIDNEY HENRY, B.S., *N. Y. City College*.....(Mhtn) New York City
ACTON, HARRY WAGNER.....(Mhtn) New York City
ADAMS, JOHN BROWN, A.B., *Yale*.....(Mhtn) New York City
ALBERS, HENRY, Jr., A.B., *Pennsylvania College*.....(Bklyn) New York City
ANSLEY, GEORGE H., A.B., *Williams*.....Salamanca, N. Y.
ANSPACHER, LOUIS KAUFMAN, A.B., *N. Y. City College*, A.M., *Columbia* (Mhtn) New York City
BAIRD, WILLIAM EDWARD, A.B., *Vanderbilt*.....Columbia, Tenn.
BAKER, CHARLES ADKINS, A.B., A.M., *Columbia*.....(Mhtn) New York City
BARRATT, JOHN MICHEL, A.B., *Georgetown*, A.M., *Columbia*....(Mhtn) New York City
BARTHOLOMAE, HUGO JAMES.....(Mhtn) New York City
BEEKMAN, CORNEALIUS C.....Bath, N. Y.
BENZIGER, BERNARD ADELRICH, A.B., *Canisius*.....(R) New York City
BEYER, ROBERT PAUL.....(Mhtn) New York City
BLOCH, BENJAMIN I.....(Mhtn) New York City
BOGART, PAUL NEBEKER, A.B., *Williams*.....Clinton, Ind.
BURRELL, NORMAN MACLEOD, A.B., *Yale*.....(Mhtn) New York City
CARDOZO, ERNEST ABRAHAM, A.B., A.M., *Columbia*.....(Mhtn) New York City
CLARK, HARRISON, Jr., A.B., A.M., *Columbia*.....(Mhtn) New York City
COE, JOHN LAWRENCE, Jr.....Bay Shore, N. Y.
CONGER, HENRY RUTGERS, A.B., *Williams*.....Morristown, N. J.
CONKLIN, ROBERT SMITH.....(Mhtn) New York City
CONNOLLY, MAURICE EDWARD.....Corona, N. Y.
CURTIS, BRIDGHAM, A.B., *Harvard*.....(Mhtn) New York City
CUSHING, ROYAL BARROWS, A.B., *Knox College*.....Tarrytown, N. Y.
DENNIS, HENRY RAY, A.B., *Yale*.....(Mhtn) New York City
DUCKWORTH, ALBERT WALTER.....(Bklyn) New York City
DU VIVIER, JOSEPH.....(Mhtn) New York City
DWYER, JOHN JOSEPH.....New Rochelle, N. Y.
EDWARDS, JAMES ALEXANDER, A.B., *Columbia*.....(Mhtn) New York City
ELDERT, HENRY CAMERON, A.B., A.M., *Columbia*.....(Bklyn) New York City
ERNST, BERNARD MORRIS LEE, A.B., *Columbia*.....(Mhtn) New York City
FARRELL, PHILIP LEO.....(Bklyn) New York City
FOISE, JOSEPH FREUND.....(Mhtn) New York City
FORST, LEON.....Rondout, N. Y.
FOX, NOEL BLEECKER, A.B., *Princeton*, A.M., *Columbia*.....Morristown, N. J.
FRANK, WALTER PAUL, A.B., *N. Y. City College*.....(Mhtn) New York City
FRAZER, CHARLES ROYALL, A.B., *Yale*, A.M., *Columbia*.....Cynthiana, Ky.
GAGAN, THOMAS F.....Haverstraw, N. Y.
GANTER, CHARLES RANSOM, A.B., *Kenyon College*.....Akron, O.
GATES, MERRILL EDWARDS, Jr., A.B., *Amherst*.....(Mhtn) New York City
GLADNEY, FRANKLIN YOUNG, A.B., *Missouri State University*.....Auburn, Mo.
GLASSCHEIB, SIMON HENRY.....(Mhtn) New York City
GOLDBERG, SAMUEL, B.S., *N. Y. City College*.....(Mhtn) New York City
GOULD, JAMES HENRY, A.B., *Cornell*.....Seneca Falls, N. Y.

GRAVES, DWIGHT DAVIS.....(Mhtn) New York City
GRAVES, JAMES WASHINGTON.....Montgomery, Mo.
GRIFFIN, WALTER HENRY, A.B., *Amherst*.....(Bklyn) New York City
GUINAN, EDWIN VINCENT.....North Adams, Mass.
HAAS, LEONARD, A.B., *University of Georgia*.....Atlanta, Ga.
HAMILTON, EDWARD WILLIAM, A.B., *Princeton*.....(Mhtn) New York City
HARE, JOHN JOSEPH, B.L., *Hobart*.....Groton, N. Y.
HARRINGTON, HOWARD SAWYER, A.B., *Columbia*.....(Mhtn) New York City
HAVENS, SAMUEL MACK, A.B., *University of Rochester*.....(Mhtn) New York City
HENTSCHEL, CHARLES, Jr.....(Bklyn) New York City
HEYMAN, SAMUEL.....Jersey City, N. J.
HOPPS, DANIEL VALENTINE, A.B., *University of Georgia*.....Savannah, Ga.
HOWE, JOSEPH PARKHURST, A.B., *Columbia*.....(Mhtn) New York City
INSLEY, ROBERT BUCKELL.....Indianapolis, Ind.
JENKINS, RAEBURN WILLIAM A.B., *N. Y. City College*.....(Mhtn) New York City
JONES, FREDERICK VINCENT, A.B., *Columbia*.....(Mhtn) New York City
JOSEPH, IRVING JACOB.....(Mhtn) New York City
KELLY, EDWARD JOHN, A.B., *Santa Clara College*.....(Mhtn) New York City
KNOELL, CHARLES JOHN.....North Tonawanda, N. Y.
LEALE, LOYAL, A.B., *Columbia*.....(Mhtn) New York City
LEFFINGWELL, RUSSELL CORNELL, A.B., *Yale*.....Yonkers, N. Y.
LENG, THEODORE CASTLE.....(R) New York City
LEWIS, EVERSON HOWARD, A.B., *Yale*.....Syracuse, N. Y.
LICHTENSTEIN, OSCAR RICHARD, A.B., *Columbia*.....(Bklyn) New York City
LOWENSTEIN, SOL ALBERT.....(Mhtn) New York City
MCCANN, JOHN FRANKLIN, Jr., A.B., A.M., *Columbia*.....(Bklyn) New York City
MCGONEGAL, HENRY SMYLES.....Irondequoit, N. Y.
MCLELLAN, HUGH DEAN, A.B., *Colby*.....(Mhtn) New York City
MARCUS, JOHN, A.B., *Columbia*.....Jersey City, N. J.
MARSDEN, ARTHUR WILLARD.....New Haven, Conn.
MARSHALL, CHESLEY BROWN, A.B., *Mercer University*.....Reynolds, Ga.
MILLER, HARRY.....(Q) New York City.
MITCHELL, GEORGE HENRY, A.B., *Yale*.....(Mhtn) New York City
MITTENDORF, GEORGE SAMUEL, A.B., *Yale*.....(Mhtn) New York City
MOORE, WILLIAM UNDERHILL, A.B., A.M., *Columbia*..... Mhtn) New York City
MOORHEAD, HARLEY GREEN, Ph.B., *Oberlin*.....Omaha, Neb.
MORGAN, WILLIAM OSGOOD, B.S., *Cornell*.....Pittsfield, Mass.
MULLIGAN, GEORGE, A.B., A.M., *St. Francis Xavier*.....Newark, N. J.
MULLIGAN, JAMES ROOSEVELT, A.B., A.M., *St. Francis Xavier*.....Newark, N. J.
MYERS, VIVIAN MEREDITH, A.B., *Richmond College*.....Savannah, Ga.
NEFF, CHARLES MELVIN, Ph.B., *University of Rochester*.....(Mhtn) New York City
OSSOSKI, SIDNEY.....(Mhtn) New York City
PAGE, BENJAMIN EDWIN, A.B., *Leland Stanford, Jr*.....Pasadena, Cal.
PARKS, JOHN WARING, A.B., *Columbia*.....(Mhtn) New York City
PARSONS, GEORGE SANFORD.....(Bklyn) New York City
PARSONS, THEOPHILUS, A.B., *Columbia*.....Hempstead, N. Y.
POND, OSCAR LEWIS, A.B., *Indiana University*, A.M., *Columbia*.....Shelbyville, Ind.
PRETZFELD, HOWARD FRIEDMAN, B.S., *N. Y. City College*, A.M., *Columbia*
(Mhtn) New York City
ROGERS, WILLIAM LEROY.....Phœnixville, Pa.
ROTHSCHILD, SOLOMON.....(Mhtn) New York City
RUSSELL, PHILIP WINFRED, A.B., *University of Nebraska*.....Omaha, Neb.
SCHARPS, ABRAHAM.....Newburgh, N. Y.
SELIGMANN, RUDOLPH ALBERT, A.B., *N. Y. City College*, A.M., *Columbia*
(Mhtn) New York City
SMITH, WILLIAM JOSEPH, B.S., *Union College*.....Waterford, N. Y.
SOUTHARD, ROBERT HAMILTON, A.B., *Princeton*.....(Mhtn) New York City

SPERLING, FREDERICK WILLIAM, A.B., *N. Y. City College*, A.M., *Columbia* (Mhtn) New York City
STRAUSS, CHARLES AUGUSTUS, A.B., *N. Y. City College*, A.M., *Columbia* (Mhtn) New York City
STROUSE, ALEXANDER LOUIS, A.B., *N. Y. City College*, A.M., *Columbia* (Mhtn) New York City
STURGIS, GRANVILLE FORBES.....(Bklyn) New York City
SUNDHEIMER, MALCOLM, B.S., *N. Y. City College*, A.M., *Columbia* (Mhtn) New York City
SYKES, EMERY HOWE, A.B., *Bowdoin*.....(Mhtn) New York City
TAYLOR, HOWARD CHAPMAN.....(Mhtn) New York City
TEVEN, SIDNEY LIONEL, A.B., *N. Y. City College*, A.M., *Columbia* (Mhtn) New York City
THORNLEY, JOHN, A.B., *University of Virginia*.....(Mhtn) New York City
TILDEN, ERNEST LYMAN, A.B., *Knox College*.....(Mhtn) New York City
TOWNSEND, MYRON TURNER, Ph.B., *Yale*.....(Mhtn) New York City
TOWS, FERRARS HEATON, A.B., *Yale*.....(Mhtn) New York City
TUTTLE, CHARLES HENRY, A.B., *Columbia*.....(Mhtn) New York City
ULLMAN, JEROME.....(Mhtn) New York City
VALIEANT, JOHN FOGGO, A.B., *Lafayette College*.....(Mhtn) New York City
VAN HOEVENBERG, HENRY, Jr.....Kingston, N. Y.
WARD, SYLVESTER L'HOMMEDIEU, Jr., A.B., *Columbia*.....White Plains, N. Y.
WARD, THEODORE HACKETT.....(Mhtn) New York City
WATTERSON, HARVEY.....(Mhtn) New York City
WEIDMANN, ANTON.....(Bklyn) New York City
WEINSTEIN, MAYER JOSEPH, A.B., *Columbia*.....(Mhtn) New York City
WERTHEIMER, LEO WELDON, Ph.B., *Kenyon College*.....Newport News, Va.
WHITEMAN, THOMAS MOORHEAD, Ph.B., *Dickinson College*.....Latrobe, Pa.
WICKHAM, ROMEYN DUDLEY, A.B., *Western Reserve*.....Norwalk, O.
WOLFE, WILLIAM HENRY, Jr., Ph.B., *Marietta College*, A.M., *Columbia* Parkersburg, W. Va.
WOOD, LOREN NEWTON, B.S., *Carleton College*.....Arvilla, N. Dak.
WUND, WILLIAM FREDERICK, B.S., *N. Y. City College*.....(Mhtn) New York City

Third Year Class..... 126

## SECOND YEAR CLASS

ACHE, PAUL SMITH, C.E., *Penn. Milt. College*.....Pittsburg, Pa.
ALSBERG, HENRY GARFIELD, A.B., *Columbia*.....(Mhtn) New York City
ANGELL, HOMER DANIEL, A.B., *Oregon*, A.M., *Columbia*.....The Dalles, Ore.
ARNDSTEIN, LOUIS.....(Mhtn) New York City
BEERS, WILLIAM FRANCIS Jr., A.B., *Columbia*.....(Mhtn) New York City
BELL, WILLIAM BROWN, A.B., *Haverford College*, A.M., *Columbia*, (Mhtn) New York City
BOARDMAN, CLARENCE IDE.....Great Falls, Mont.
BOEHM, LEWIS COVINGTON, A.B., *St. John's College*.....Snow Hill, Md.
BOGUE, MORTON GRISWOLD, A.B., *Columbia*.....(Mhtn) New York City
BONNER, MOSES HORTON, LL.B., *Vanderbilt*.....Nashville, Tenn.
BOYLE, EDWARD MORTIMER.....(Mhtn) New York City
BRINE, FRANCIS JOSEPH.....Somerville, Mass.
BUCHLER, WILLIAM PAUL, A.B., *Columbia*.....(Mhtn) New York City
BULLOWA, RALPH JAMES M., A.B., *N. Y. City College*.....(Mhtn) New York City
CANE, MELVILLE HENRY, A.B., *Columbia*.....(Mhtn) New York City
CHAPMAN, RICHARD BREWSTER, A.B., *Williams*.....Ogdensburg, N. Y.
COLE, RUDY.....Fargo, N. Dak.
CRAIG, CHARLES LACY.....Chicago, Ill
CURTIS, HENRY SHREVE.....(Mhtn) New York City
DAIGNAULT, ELPHÈGE JOSEPH, A.B., *Boston College*.....Woonsocket, R. I.
DARLINGTON, LIONEL, B.S., *Cornell*, A.M., *Harvard*.....West Chester, Pa.
DAVIS, JOHN.....(Bklyn) New York City

DAVIS, LEE PARSONS ..... Yonkers, N Y.
DEAN, MAURICE BESSELL ..... Dalton, Pa.
DE GRAFFENRIED, THOMAS PRICHETTE, A.B., *Bethel* ..... Russellville, Ky.
DEYOE, EDGAR ACKERMAN, A.B., *Pennsylvania College* ..... Ramsey, N. J.
DIPPEL, JOHN PHILIP ..... Taurus P.O., N. J.
DOHERTY, GERALD ..... (Mhtn) New York City
DOYLE, JOHN BERNARD, A.B., *Boston College* ..... Boston, Mass.
DRESSLER, WILLIAM BERNARD. A.B., *Columbia* ..... (Mhtn) New York City
DUDEN, HERMAN, Jr., A.B., *Columbia* ..... Yonkers, N. Y.
EDELSTEIN, ISIDORE ..... (Mhtn) New York City
ESSER, JOSEPH HENRY, A.B., *Columbia* ..... Mt. Vernon, N. Y.
ESTEE, ORVILLE DEVERE, A.B., *Yale* ..... Gloversville, N. Y.
FACKENTHAL, JOSEPH DIEHL, A.B., *Columbia* ..... (Bklyn) New York City
FASSETT, LEE ..... Wellsville, N. Y.
FORSCH, ALBERT, A.B., *Columbia* ..... (Mhtn) New York City
FRANKENTHALER, ALFRED, A.B., *N. Y. City College* ..... (Mhtn) New York City
FRIEDENBERG, ALBERT MARX, B.S., *N. Y. City College* ..... (Mhtn) New York City
GEARIN, HUGH CORNEILUS ..... Portland, Ore.
GIDDINGS, HENRY STARR, A.B., *Columbia* ..... (Mhtn) New York City
GLENN, GARRARD, A.B., *University of Georgia* ..... Atlanta, Ga.
GOTTLIEB, HARRY NORMAN, A.B., *University of Chicago* ..... Chicago, Ill.
GREEN, CHARLES TILFORD ..... (Mhtn) New York City
GREEN, LOUIS ZALMON ..... Binghamton, N. Y.
GROSS, ARNOLD ..... (Mhtn) New York City
HALL, HUBERT ROE, A.B., *Eureka College* ..... Athens, Ill.
HAMILTON, EMMET CUTHBERT ..... (Mhtn) New York City
HANNON, MAURICE ..... (Mhtn) New York City
HARDENBERGH, STETSON, A.B., *Rutgers* ..... New Brunswick, N. J.
HARRISON, JULIAN COLLIER, A.B., *Columbia* ..... (Bklyn) New York City
HATCHER, CHARLES PHILLIPS ..... Columbia, Tenn.
HAUGHWOUT, JAMES ARD, A.B., *Washington and Jefferson* ..... Kylertown, Pa.
HAWKINS, ELIJAH, A.B., *Kentucky University* ..... Lexington, Ky.
HOFFMAN, EDWIN ..... (Mhtn) New York City
HOWE, JAMES ROBINSON, Jr ..... (Bklyn) New York City
ITTLEMAN, GEORGE HOWARD ..... (Bklyn) New York City
JACKSON, JEROME C., B.S., *N. Y. City College* ..... (Mhtn) New York City
JACKSON, JOHN GILLESPIE, A.B., *Columbia* ..... Middletown, Conn.
JETTER, CLIFFORD HAWKINS, A.B., *Cornell* ..... Greenport, L. I.
JOHNSON, TRISTAM BURGES ..... (Mhtn) New York City
KANTROWICH, SAMUEL ..... Jersey City, N. J.
KEELER, GEORGE BECKWITH, A.B., *Columbia* ..... (Bklyn) New York City
KENNAN, RALPH ANTHONY ..... Spokane, Wash.
KNAPP, JAMES RINTOUL, A.B., *Columbia* ..... (Mhtn) New York City
KOERNER, WILLIAM KINNEY ..... Belleville, Ill.
KOHN, ACHILLES HERRMANN, A.B., *Columbia* ..... (Mhtn) New York City
KOHN, WALTER THOMAS, A.B., *N. Y. City College* ..... (Mhtn) New York City
KOSTMAN, JACOB ..... Jersey City, N. J.
KRAMER, JACOB JEROME ..... Johnstown, Pa.
LADD, HARRY, B.L., *Dartmouth* ..... Epping, N. H.
LAUTERSTEIN, LEON ..... (Mhtn) New York City
LEA, LUKE, A.B., A.M., *University of the South* ..... (Mhtn) New York City
LEA, OVERTON, Jr., A.B., *University of the South* ..... Nashville, Tenn.
LESINSKY, LEO, A.B., *Columbia* ..... (Mhtn) New York City
LEVIS, ROBERT PERCY, A.B., *University of Rochester* ..... Rochester, N. Y.
LEVY, AARON WILLIAM, B.S., *N. Y. City College* ..... (Bklyn) New York City
LEVY, SAMUEL SAMTER, A.B., *Yale* ..... (Mhtn) New York City
LINDHEIM, NORVIN RUDOLF, A.B., *Johns Hopkins* ..... (Mhtn) New York City

LOCKMAN, FREDERIC IRVING, A.B., *Yale*.....(Mhtn) New York City
LOGAN, HOLLISTER, A.B., *Yale*.....(Mhtn) New York City
LOWENSTEIN, OSCAR, A.B., *Columbia*.....(Mhtn) New York City
MCCORMICK, ROBERT HALL, Jr., A.B., *Yale*.....(Mhtn) New York City
MCKEE, DOUGLASS.....(Mhtn) New York City
MCPHEE, RAYMOND JOSEPH.....Denver, Colo.
MADIGAN, JAMES CALLANAN, A.B., *N. Y. City College*.....(Mhtn) New York City
MARSH, ROBERT MCCURDY, A.B., A.M., *Harvard*.....Paterson, N. J.
MARTIN, HENRY LEWIS, Jr., A.B., *Washington and Lee*.....Midway, Ky.
MELLOR, FRED.....(Mhtn) New York City
MERSEREAU, HENRY CARL.....(Mhtn) New York City
MERWIN, JAMES HERVEY, A.B., *Hamilton*.....Utica, N. Y.
MEYER, RUTHERFORD BIRCHARD, A.B., *Columbia*.....(Mhtn) New York City
MICHAELIS, ARNOLD, A.B., *N. Y. City College*.....(Mhtn) New York City
MILLER, HENRY COOK, A.B., *Hamilton*.....(Mhtn) New York City
MILLER, JOHN NORRIS, A.B., *Princeton*.....Washington, D C.
MILLER, RUTGER BLEECKER, A.B., *Yale*.....(Mhtn) New York City
MOORE, JAMES BLY, A.B., *Columbia*.....Pearl River, N. Y.
MOSES, HENRY LEO, A.B., *Yale*.....(Mhtn) New York City
MOULTHROP, JOHN ROBERT, B.L., *University of California*....(Mhtn) New York City
NASH, STEPHEN PAYN, A.B., *Columbia*.....(Mhtn) New York City
NOVA, ALGERON I.....(Bklyn) New York City
O'BRIEN, THOMAS EDWARD, A.B., *Columbia*.....(Bklyn) New York City
O'NEIL, FRANK SMITH, A.B., *Canisius College*.....Binghamton, N. Y.
O'NEIL, JOSEPH SIMON, A.B., *Canisius College*.....Binghamton, N. Y.
OGDEN, CHARLES JONES, A.B., *Columbia*.....(Mhtn) New York City
PALMER, ROLAND SWIFT, A.B., *Yale*.....Amenia, N. Y.
PATTERSON, ARTHUR COXE, A.B., *Williams*.....(Mhtn) New York City
PATTERSON, EDMUND DEWITT, Jr., A.B., *Vanderbilt*.....Savannah, Tenn.
PETTIT, WILLIAM SOPER.....Far Rockaway, L. I.
PHEIL, JOHN GRANT, A.B., *Baldwin University*.....Mansfield, O.
PHILIPP, PHILIP BERNARD, A.B., *Harvard*.....(Mhtn) New York City
PILCHER, STUART CAROTHERS.....Nashville, Tenn.
PITKIN, HARRY WALTON, A.B., *University of Wooster*.....Mt. Vernon, O.
PULLIAM, CHARLES LE COUNT, A.B., *Wabash College*.....Terre Haute, Ind.
REDINGTON, EDWARD JOHN, A.B., *Yale*.....Syracuse, N. Y
RENDELL, GEORGE EBEN.....Utica, N. Y.
ROYALL, JOHN RALPH.....Lebanon, Conn.
ROYSE, SAMUEL DURHAM, A.B., *Amherst*.....Terre Haute, Ind.
RYAN, PETER FRANCIS, B.S., *Villanova College*.....North Adams, Mass.
SHENKOWITZ, WARREN AGUSTUS.....Dubuque, Iowa
SHEPARD, WOOLSEY ADAMS, A.B., *Columbia*.....(Mhtn) New York City
SHIDLOVSKY, JACOB.....(Mhtn) New York City
SHOAFF, FREDERICK BARNETT, Ph.B., *University of Michigan*.....Fort Wayne, Ind.
SHWITZER, SAMUEL DAVID.....(Mhtn) New York City
SLADKUS, SOLOMON EDMUND.....(Mhtn) New York City
SLOANE, JAMES RENWICK, A.B., *Princeton*.....(Mhtn) New York City
SNYDER, FRANCIS XAVIER.....(Bklyn) New York City
SOLOMON, LOUIS ARLINGTON, B.S., *N. Y. City College*.....(Mhtn) New York City
SPENSER, EDWIN MARTIN.....St. Joseph, Mo.
STEINBOCK, HENRY AUSTIN.....(Mhtn) New York City
STERN, WALTER THOMAS, A.B., *Yale*.....(Mhtn) New York City
STICKNEY, HENRY AUSTIN, A.B., *Harvard*.....(Mhtn) New York City
SULING, JOHN WILLIAM, A.B., *New York City College*.....(Mhtn) New York City
SULLIVAN, JAMES CHARLES.....Butte, Mont.
SYMES, JOHN FOSTER, Ph.B., *Yale*.....Denver, Col.
TATUM, EDWARD HUBBERT, A.B., *Yale*.....(Mhtn) New York City

TERRY, RODERICK, Jr., A.B., *Yale*.....(Mhtn) New York City
THOMAS, CLARENCE LOT, A.B., *Leland Stanford, Jr.*.....Storm Lake, Iowa
TURNER, WILLIAM ANDREW, A.B., *Black Hills College*.....Cain, Iowa
TWEEDY, JAMES BELCHER.....Spuyten Duyvil, N.Y.
VETSBURG, KARL MAX.....St. Louis, Mo.
VICTOR, ROYALL CHARLES, A.B., *Leland Stanford, Jr.*, A.M., *Columbia*
(Mhtn) New York City
WALMSLEY, HARDIE BARR.....New Orleans, La.
WELCH, ALOYSIUS JOSEPH, A.B., *Santa Clara College*.....San Francisco, Cal.
WELCH, WALTER FREDERICK, A.B., *Tufts College*.....Stoneham, Mass.
WHEELER, ERNEST EDWARD, A.B., *Harvard*.....(Mhtn) New York City
WILLIAMS, LOUIS OREN.....Pittsburg, Pa.
WILLIAMSON, PLINY WILSON, A.B., *Oberlin*.....Dayton, O.
WISE, HENRY MORRIS, A.B., *Columbia*.....(Mhtn) New York City
Second Year Class..... 149

## FIRST YEAR CLASS

ADAMS, HARRY CHARLES..... Stamford, Conn.
ADAMS, WILLIAM HUBERT, A.B., *St. Francis Xavier*, A.M., *Columbia*
(Mhtn) New York City
AMSEL, CHARLES SIMPSON.....(Mhtn) New York City
ANDERSON, HARRY BENNETT.....Memphis, Tenn.
BABCOCK, HENRY HUBERT, A.B., *Yale*.....Watertown, N. Y.
BAMMAN, FRANKLYN GEORGE, A.B., *Princeton*.....Asbury Park, N. J.
BARBER, WILLIAM COOPER.....(R) New York City
BARON, SAUL JEROME, A.B., *N. Y. City College*.....(Mhtn) New York City
BATES, JOHN GRENVILLE.....(Mhtn) New York City
BECHER, MORRIS MEYER.....(Mhtn) New York City
BELDEN, MEAD VAN ZILE, A.B., *Princeton*..... (Mhtn) New York City
BENZIGER, GEORGE JOSEPH.....(R) New York City
BERLINICKE, HARRY ROBERT.....(Mhtn) New York City
BLOCH, HENRY.....(Mhtn) New York City
BLOCK, SAMUEL JOHN, A.B., *Columbia*.....(Mhtn) New York City
BLUMENTHAL, HENRY ARTHUR.....(Mhtn) New York City
BOEHM, AUGUST ABRAHAM, A.B., *Columbia*.....(Mhtn) New York City
BORDWELL, WALTER PERCY, B.L., *University of California*.....Alameda, Cal.
BRADLEY, CHRISTOPHER MASON, A.B., *Leland Stanford, Jr.*.....Tacoma, Wash.
BRADY, JOHN EDSON.....Norwich, Conn.
BRANN, HENRY ATHANASIUS, Jr., A.B., *St. Vincent*.....(Mhtn) New York City
BRASTED, ROYAL STANLEY, B.S., *Fargo College*.....Fargo, N. Dak.
BROWN, EDWARD DAVID, A.B., *Yale*.....Albany, Ga.
BRUCE, EDWARD BRIGHT, A.B., *Columbia*.....Yonkers, N. Y.
BRUNER, EDWARD THOMAS.....(Mhtn) New York City
BÜHLER, JOSEPH STETTENHEIM, A.B., *Columbia*.....Columbus, Ga.
BURROWS, FRANK WILLIAM, B.S., *Amherst*.....Andover, N. Y.
CARDOZO, MICHAEL HART, A.B., *Columbia*.....(Mhtn) New York City
CARPENTER, CARLETON STYMETTS.....White Plains, N. Y.
CHAFFEE, ROLLO NICHOLS.....Armenia, N. Y.
CHAMBERS, CHARLES, A.B., *Amherst*.....(Bklyn) New York City
CLARK, WASHINGTON, A.B., *South Carolina*.....Columbia, S. C.
COLETY, FRANCIS, A.B., *Mount Angel College*.....(Mhtn) New York City
COLLIS, CHARLES.....(Mhtn) New York City
CONE, NEWELL KINGSBURY.....Batavia, N. Y.
COUGHLAN, JEREMIAH JAMES, A.B., *St. Francis Xavier*.....(Mhtn) New York City
CUTTING, WILLIAM BAYARD, Jr., A.B., *Harvard*.....(Mhtn) New York City
DE NYSE, RULIF V. N.....(Bklyn) New York City

DICKSON, STARR KING.....Westfield, N. Y.
DOLLIN, EDGAR N.....(Mhtn) New York City
DONNELLAN, GEORGE LAWRENCE, A.B., *Columbia*.....(Mhtn) New York City
DONNELLY, JOHN JOSEPH.....Matteawan, N. Y.
DONVAN, BENJAMIN FRANKLIN.....(Mhtn) New York City
DORR, GOLDTHWAITE HIGGINSON, A.B., *Harvard*.....(Mhtn) New York City
DOTTENHEIM, HENRY S., B.S., *N. Y. City College*.....(Mhtn) New York City
DUMAS, JAMES PINCKNEY, A.B., *Roanoke*.....Van Alstyne, Tex.
EARLE, ENOCH WALTER.....(Mhtn) New York City
EARLEY, MARTIN JOSEPH, Jr.....(Mhtn) New York City
ERB, WILLIAM M.....Chemainus, Canada
ERICHSEN, ERIK.....(Mhtn) New York City
ERNST, ARTHUR OGDEN, A.B., *Columbia*.....(Mhtn) New York City
FARLEY, EDWARD VINCENT, A.B., *St. Francis Xavier*.....(Bklyn) New York City
FASOLA, JOHN BAPTIST.....(Mhtn) New York City
FORSYTH, JAMES PORTER.....Cazenovia, N. Y.
FOX, DEWITT.....(Mhtn) New York City
FREEMAN, HENRY W.....(Mhtn) New York City
FULLER, FREDERIC JAMES, A.B., *St. Francis Xavier*.....(Mhtn) New York City
GAASS, GEORGE G., Ph.B., *Central University*.....Pella, Iowa
GEORGE, DAVID GWILIM, A.B., *Hamilton*.....Rome, N. Y.
GERNERD, FREDRICK BENJAMIN, A.B., *Franklin and Marshall*.....Allentown, Pa.
GIBSON, CLAUDE WILLIAM, B.S., *Idaho State University*.....Boise, Idaho
GOLDIE, WILLIAM VALENTINE.....New London, Conn.
GORDON, HARRY ALLEN, A.B., *N. Y. City College*.....(Mhtn) New York City
GOSSETT, MORRIS ELY, B.S., *N. Y. City College*.....(Mhtn) New York City
GRASSE, WILLIAM HENRY.....(Mhtn) New York City
GRIBBLE, GEORGE WILLIAM HERMANN DUNNING.....Secunderabad, India
GROSSMAN MORRIS.....(Mhtn) New York City
GROSVENOR, EDWIN PRESCOTT, A.B., A.M., *Amherst*.....Amherst, Mass.
GUMM, HARRIS HAROLD, A.B., *Columbia*.....Indianapolis, Ind.
GUTGSELL, ADOLPH EUGENE, B.S., *N. Y. City College*.....(Mhtn) New York City
HAHN, ROBERT HAMILTON.....Augusta, Ga.
HALPIN, JOHN JOSEPH, A.B., *St. Francis Xavier*.....(Mhtn) New York City
HAMILTON, FRANCIS BEACOM.....Johnstown, Pa.
HAMPSON, FRANCIS CHRISTOPHER, LL.B., *University of Iowa*.....Osage, Iowa
HARRINGTON, RICHARD VINCENT, A.B., *St. John's College*.....(Mhtn) New York City
HEAD, HAYDEN WILSON, B.S., *Austin College*.....Sherman, Texas
HEALY, HENRY WILDER, A.B., *Yale*.....(Bklyn) New York City
HERCHÉ, HAROLD HOWARD.....(Mhtn) New York City
HERSHEY, JOHN SHARTLE, A.B., *Franklin and Marshall*.....Hockersville, Pa.
HERZ, HARRY.....(Mhtn) New York City
HILL, PHILIP SAMUEL.....North Tonawanda, N. Y.
HIPPLE, JOHN ALFRED.....Marietta, Pa.
HIRSCH, HAROLD, A.B., *University of Georgia*.....Atlanta, Ga.
HULL, FRANK IRVING.....Mt. Vernon N. Y.
HUNT, FREDERICK BURTON, A.B., *Bucknell University*.....Clark's Summit, Pa.
HUTTER, ARTHUR.....(Mhtn) New York City
JACOBS, MORRIS.....(Mhtn) New York City
KAHN, ARTHUR CHARLES, B.S., *N. Y. City College*.....(Mhtn) New York City
KAHRS, JOHN DANIELL, A.B., *N. Y. City College*.....(Mhtn) New York City
KALISKY, ABRAHAM.....(Mhtn) New York City
KAUFMAN, HENRY HOLZHEIMER.....(Mhtn) New York City
KELLOGG, FREDERICK SNOW, A.B., *Yale*.....(Bklyn) New York City
KERR, CLARENCE DILWORTH, A.B., *Princeton*.....Englewood, N. J.
KIERMAN, CORTLAND A., A.B., *Georgetown College*.....Sag Harbor, L. I.
KINDGEN, WILLIAM JOHN.....(Mhtn) New York City

KING, PHILIP WHEATON RIVES, Ph.B., *Yale*.....Newport, R. I.
KIRKPATRICK, FRANK FELIX, A.B., *Christian Brothers' College*.....Washington, D. C.
KRAUSE, JOHN JACOB.....Chicago, Ill.
LEDERER, ALISON MICHAEL, A.B., *Columbia*.....(Mhtn) New York City
LEE, JOSEPH DAY, A.M., *Richmond College*.....(Mhtn) New York City
LEFKOWITZ, HAROLD NOAH, B.S., *N. Y. City College*.....(Mhtn) New York City
LIEB, HENRY, A.B., *N. Y. City College*.....(Mhtn) New York City
LINDENBERGER, JACOB HOPEWELL, LL.B., *University of Louisville*....Louisville, Ky.
LIPPE, VINCENT STUYVESANT.....(Mhtn) New York City
MCLAUGHLIN, WARREN JOHN, A.B., *Hamilton*.....Lima, O.
MARX, HENRY, B.S., *N. Y. City College*.....(Mhtn) New York City
MELNIKER, AARON.....Bayonne, N. J.
MERCER, GEORGE, Jr.....(Mhtn) New York City
MEYER, GEORGE A., B.S., *Fremont Normal*.....Humphrey, Neb.
MILLETT, DANIEL APPLETON, A.B., *University of Washington*.....Chehalis, Wash.
MOORE, BERNARD V.....Tipton, Ind.
MOORE, HENRY, Jr.....Texarkana, Ark.
MORFORD, HAROLD C.....Long Branch, N. J.
MORRIS, ALBERT HENRY.....(Bklyn) New York City
MULRONEY, JOSEPH SYLVESTER.....(Mhtn) New York City
NAGLE, GEORGE ALBERT.....Hollis, N. Y.
PALMA, JOSÉ ESTRADA.....Central Valley, N. Y.
PARHAM, FRANK EARLE, A.B., *Wake Forest College*.....Oxford, N. C.
PARKER, ASHTON.....(Mhtn) New York City
PHILLIPS, JOHN FRANK, A.B., *Amherst*.....(Bklyn) New York City
RAY, THOMAS HASSETT, B.S., *N. Y. City College*.....(Mhtn) New York City
REARDON, BERNARD ELWOOD, A.B., *St. Francis Xavier*.....Yonkers, N. Y.
REARICK, ALLAN C., A.B., *Knox College*.....Galesburg, Ill.
ROACH, LORIN J., Ph.B., *University of Iowa*.....Rock Rapids, Iowa
ROBBINS, CHARLES BURTON, A.B., *University of Nebraska*.....Lincoln, Neb.
ROBINSON, WATSON BRYANT, A.B., *Alma College*.....Vestaburg, Mich.
ROOD, WILLIAM HERVY, A.B., *Yale*.....Princeton, Ill.
ROSE, HAYWARD DODGE.....(Mhtn) New York City
ROWAN, EDMUND ALOYSIUS, A.B., *St. Francis Xavier*.....(Mhtn) New York City
ROZEN, LEWIS ALBERT.....(Mhtn) New York City
RUEF, JOHN WILLIAM, Ph.B., *Lafayette*.....Poughkeepsie, N. Y.
SAMPLE, SAMUEL JOHN, A.B., *Ottawa University*.....Eureka, Kan.
SCHWARTZ, MILTON HARRY, B.L., *University of California*.....Oakland, Cal.
SEAMAN, FREDERIC CROMWELL.....(Bklyn) New York City
SELIGSBERG, WALTER NATHAN.....(Mhtn) New York City
SMITH, ELWOOD CRONON.....Turner, N. Y.
SMITH, HOWARD ALEXANDER, A.B., *Princeton*.....(Mhtn) New York City
SMITH, JOHN BOYCE, Jr., A.B., *Columbia*.....(Mhtn) New York City
SMITH, JOHN HAVILAND.....Port Chester, N. Y.
SMITH, RICHARD SHORE, A.B., *University of Oregon*.....Klamath Falls, Ore.
SPITALSKY, NATHAN LION.....(Mhtn) New York City
SPRIGG, CHARLES CARROLL, Ph.B., *Yale*.....Dayton, O.
SQUIRES, LEWIS, A.B., *Williams*.....(Mhtn) New York City
STAINTON, GEORGE F.....(Mhtn) New York City
STOWELL, EDWARD ESTY, A.B., *Hamilton*.....Ithaca, N. Y.
STOWELL, HENRY WHITNEY, A.B., *Harvard*.....Waltham, Mass.
STRAUS, EMANUEL E., A.B., *Yale*.....Louisville, Ky.
TABER, ERROLL JAMES LIVINGSTON.....Elko, Nev.
TIMMERMEISTER, KARL.....Wapakoneta, O.
TOMLINSON, JOHN CANFIELD, Jr., A.B., *Yale*.....(Mhtn) New York City
TURNER, GEORGE CHITTENDEN.....(Bklyn) New York City
VOGEL, EARL, B.S., *Illinois College*.....Jacksonville, Ill.

WAGNER, WILLIAM ANDREW.....Crosby, Mich.
WALKER, AARON STOCKHOLM BALDWIN.....Guttenberg, N. J.
WALLIN, WILLIAM JOHN, A.B., *N. Y. University*.....Yonkers, N. Y.
WALSH, JOHN JOSEPH, Jr., A.B., *St. Francis Xavier*.....(Mhtn) New York City
WETHERHORN, MITCHELL.....Charleston, S. C.
WHEAT, BENJAMIN PATTERSON, Ph.B., *Cornell College*.....(Mhtn) New York City
WHEELER, ALAN RATTRAY, A.B., *Brown*.....Concord, Mass.
WINSTON, EDWARD THOMAS, *United States Military Academy*.....Washington, D. C.
WITHROW, WILLIAM EDGAR, A.B., *University of Colorado*.....(Mhtn) New York City
WOODARD, HARLIN JAMES.....Logansport, Ind.
First Year Class..... 162

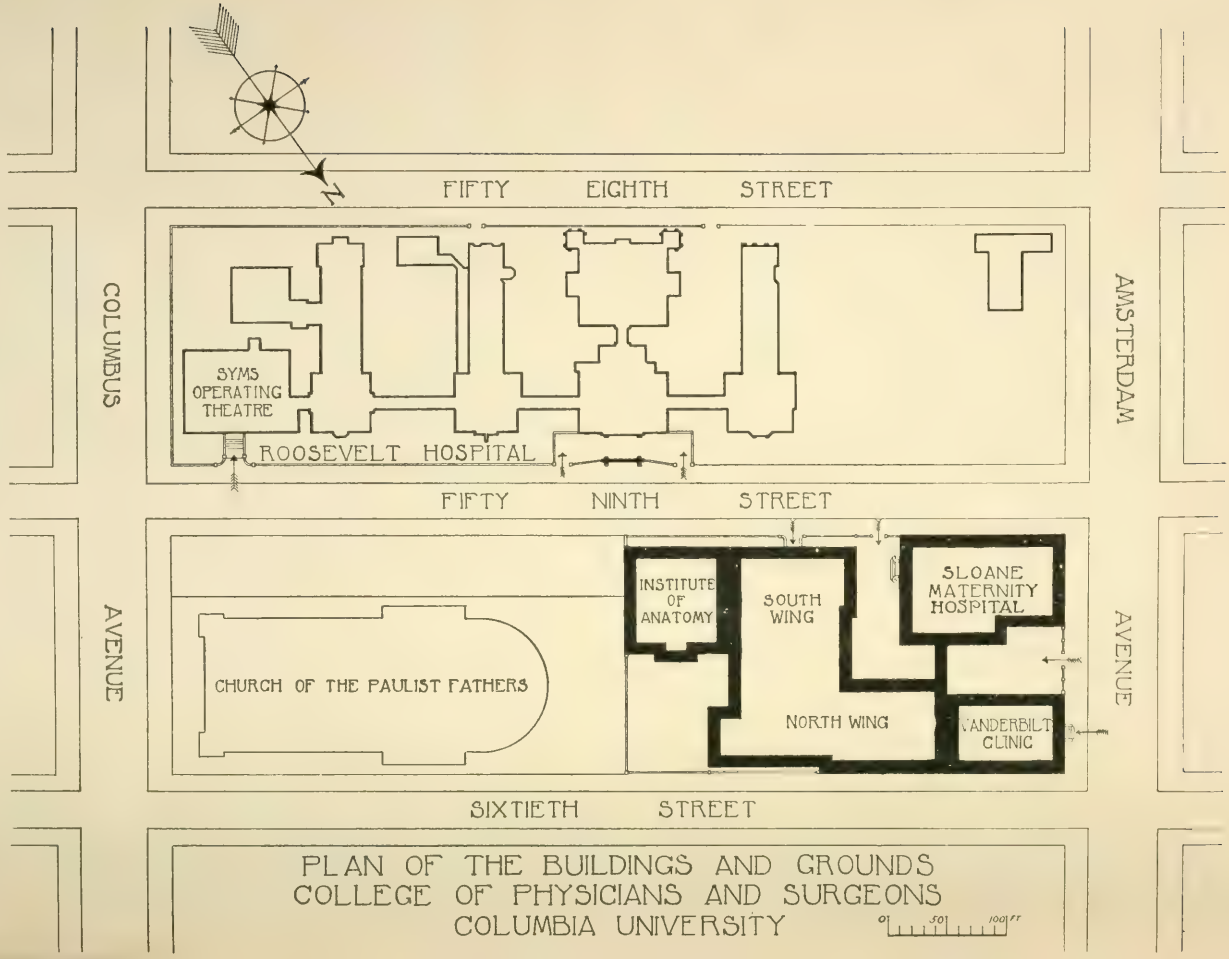
SPECIAL STUDENTS

EINSTEIN, LEWIS, A.B., A.M., *Columbia*.....(Mhtn) New York City
MCCORKLE, HENRY HALE.....(Mhtn) New York City
Special Students..... 2

SUMMARY

Third Year Class..... 126
Second Year Class..... 149
First Year Class..... 162
Special Students..... 2

Total..... 439


N
FIFTY EIGHTH STREET
COLUMBUS
AMSTERDAM
SYMS OPERATING THEATRE
ROOSEVELT HOSPITAL
FIFTY NINTH STREET
AVENUE
AVENUE
CHURCH OF THE PAULIST FATHERS
INSTITUTE OF ANATOMY
SOUTH WING
SLOANE MATERNITY HOSPITAL
NORTH WING
VANDERBILT CLINIC
SIXTIETH STREET
PLAN OF THE BUILDINGS AND GROUNDS
COLLEGE OF PHYSICIANS AND SURGEONS
COLUMBIA UNIVERSITY
0 50 100 FT

## SCHOOL OF MEDICINE

## COLLEGE OF PHYSICIANS AND SURGEONS

The instruction in medicine is given under the following departments:

ANATOMY
BACTERIOLOGY AND HYGIENE
CHEMISTRY, GENERAL
CHEMISTRY, PHYSIOLOGICAL
CLINICAL PATHOLOGY
DERMATOLOGY
DISEASES OF CHILDREN
GENITO-URINARY AND VENEREAL DISEASES
GYNECOLOGY
HISTOLOGY
LARYNGOLOGY
MATERIA MEDICA AND THERAPEUTICS
NEUROLOGY
OBSTETRICS
OPHTHALMOLOGY
OTOLOGY
PATHOLOGY
PHYSICS
PHYSIOLOGY
PRACTICE OF MEDICINE
SURGERY

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### Officers of the Faculty

JAMES W. MCLANE, M.D.....*Dean and Ex-Officio Member of the University Council*
JOHN G. CURTIS, M.D.....*Elected Delegate to the University Council*
JAMES DITMARS VOORHEES, M.D.....*Secretary*

### The Faculty

NICHOLAS MURRAY BUTLER, LL.D., *Acting President.*
JOHN G. CURTIS, M.D.....*Professor of Physiology*
GEORGE M. TUTTLE, M.D.....*Professor of Gynecology*
GEORGE L. PEABODY, M.D.....*Professor of Materia Medica and Therapeutics*
WILLIAM T. BULL, M.D.....*Professor of Surgery*
M. ALLEN STARR, M.D., Ph.D., LL.D..*Professor of Diseases of the Mind and Nervous System*
GEORGE S. HUNTINGTON, M.D.....*Professor of Anatomy*
ROBERT F. WEIR, M.D, F.R.C.S. (Hon.).....*Professor of Surgery*
T. MITCHELL PRUDDEN, M.D., LL.D., *Professor of Pathology, Director of the Laboratories of Pathology, Clinical Pathology, Bacteriology and Hygiene, Histology*
EDWIN B. CRAGIN, M.D.....*Professor of Obstetrics*
WALTER B. JAMES, M.D.....*Lecturer on the Practice of Medicine*

NOTE.—For details as to other officers of instruction, see departmental statements.

## GENERAL STATEMENT

The College of Physicians and Surgeons, on July 1, 1891, became, under the authority of the Legislature, a part of Columbia University. This merger, which made the medical department in a complete sense an integral part of the University system, has largely increased the usefulness of the Medical School, favored the thoroughness of scientific medical education, and promoted scientific research. The accessions to the teaching force, notably in the departments of Anatomy and Pathology and in the physiological and other laboratories, have permitted the realization, to a degree previously quite impossible, of the great opportunities for instruction and research afforded by the excellence of the dissecting-rooms, the laboratories, and apparatus.

The college occupies a group of buildings, given by the late William H. Vanderbilt and members of his family, and by William D. Sloane, Esq., which stand upon thirty contiguous lots of land, bounded on the south, west, and north by Fifty-ninth Street, Amsterdam Avenue, and Sixtieth Street, respectively, and lying immediately opposite to Roosevelt Hospital.

The buildings appertaining to the College are three in number:

THE COLLEGE BUILDING PROPER;
THE VANDERBILT CLINIC;
THE SLOANE MATERNITY HOSPITAL.

The College Building Proper has been designed to facilitate that combination of theoretical instruction with laboratory work which is essential to a modern scientific training. It consists of a *southern portion*, measuring 140 feet by 43 feet, extending along Fifty-ninth Street; of a *northern portion*, 96 feet by 43 feet, extending along Sixtieth Street; and of a *middle portion*, 96 feet by 55 feet, connecting the other two. The total area covered is therefore 15,428 square feet. Each story above the basement of the northern and southern portions has been built "in the clear," and contains neither brick partitions nor iron columns. It is therefore possible to remodel the interior at any future time.

Through the generous gift of Messrs. Cornelius, William K., Frederick W., and George W. Vanderbilt, in 1895, there has been rendered possible an important enlargement of the college building proper, which provides additional facilities for anatomical teaching and for practical work in Pathology and Bacteriology and Hygiene.

The south wing of the college has been extended on Fifty-ninth Street eastward for 55 feet, the depth of the new wing being 80 feet. This building is four stories high and is devoted to the Department of Anatomy. The basement contains the cast and modelling rooms, the corrosion room, and the reference osteological collection. The first and second stories are occupied by the Museum of Human and Comparative Morphology, the first floor being provided with a gallery, greatly increasing the available floor space.

The Morphological Research Laboratory occupies the third story of the anatomical building, affording ample accommodations for the researches of the officers of the department and for post-graduate students.

The fourth floor forms an extension to the original dissecting-room. The classroom for practical anatomy will accommodate over four hundred students, and by means of the artificial cooling plant work can be carried on without regard to the outside temperature.

The north end of the fourth floor is occupied by a small auditorium for anatomical demonstrations. It has overhead light and an arrangement of seats carefully planned so as to bring each member of the section close to the object of the demonstration.

The two upper floors of the building over the Vanderbilt Clinic extension were made continuous with the space formerly occupied by the Department of Pathology, and the whole is devoted to the work of this department in Pathology, Bacteriology and Hygiene, Clinical Pathology, Normal Histology, and Photography, and to such an extension of these as the plans of the four-years' course require. There is on the fifth floor in addition to the large class laboratories a series of larger and smaller rooms for advanced students and research work in Bacteriology. On the fourth floor there is a large laboratory for special advanced students in Pathology and for research, a series of private rooms for the instructors, and a departmental library.

### Vanderbilt Clinic

The Vanderbilt Clinic was built and endowed by the sons of William H. Vanderbilt as a memorial of their father. It supplies a fully equipped dispensary service for the sick poor. It also affords ample material for extended practical clinical instruction in the various departments of medicine and surgery, as the professors, with their clinical assistants, have the entire charge of its practice.

The original building having proved inadequate, the sons of Mr. Vanderbilt in 1895 united in an additional gift of $350,000, enabling the size of the building to be doubled. In the enlarged building ample space is provided not only for the reception of the constantly increasing number of patients, but also for the instruction of the students in small classes in each of the ten different departments. Two large dark rooms with twenty stalls are provided for instruction in the use of the ophthalmoscope and laryngoscope. Each department has a room for the practical instruction of small groups of students, in addition to the rooms devoted to the treatment of patients. There is a large theatre for the clinical lectures, accommodating about four hundred students, and a smaller lecture hall where one hundred can be seated.

All modern appliances for the treatment of diseases have been introduced, so that students can learn thoroughly the use of all methods in

each department, and thus can acquire a practical knowledge of all the "specialties" in medicine.

During the year 1900, 48,967 patients were treated, making 156,958 visits to the clinic.

### Sloane Maternity Hospital

The Sloane Maternity Hospital is situated upon the grounds of the College of Physicians and Surgeons, and the service is under the exclusive direction of the Professor of Obstetrics in the college, the Instructor in Obstetrics being the Resident Physician.

The wards of the hospital since its recent enlargement furnish one hundred and sixteen beds, and there are ample accommodations for the House Staff, students, and nurses.

The operating-room is equipped with all modern surgical and obstetrical conveniences and has a seating accommodation for fifty-one students.

The number of deliveries averages over twelve hundred a year. These, with the obstetric operations and the subsequent treatment of women and infants, afford invaluable practical experience, such as is offered at no other medical school in this country.

## REQUIREMENTS FOR ADMISSION

No entrance examinations are conducted at the College of Physicians and Surgeons, but all studentswho matriculate with the intention of becoming candidates for the degree of Doctor of Medicine must present

**a medical-student certificate from the Regents of the University of the State of New York.**

Students desiring to do special work may matriculate at any time during the year as special students. Such applicants, however, cannot subsequently become candidates for graduation without full compliance with the terms of admission and graduation as set forth in the *Announcement of the College of Physicians and Surgeons.*

## CURRICULUM

The work required of the students at this College who are candidates for the degree of M.D. covers four years of study, according to the curriculum set forth below in outline.

The right is reserved to make amendments to this curriculum as experience may prove necessary.

Programmes of the exercises, giving time and place, are distributed among the matriculants at the beginning of each annual session.

The following statement is drawn up from the point of view of the student, and shows what is expected from each matriculant taking the regular curriculum.

*In all subjects which are not completed in a single year the instruction offered to a given student is different each year.*

The regular instruction for 1901–1902 began on Monday, October 7, 1901, at 11 A.M. Commencement will be on Wednesday, June 11, 1902.

*Every student intending to be a candidate for the degree of M.D. must register his name in person within the first seven working days of each session.*

Students who have pursued elsewhere courses in Physics and General Chemistry substantially equivalent to those given at this College, may be exempted from the work in those subjects on presentation of satisfactory certificates, or after satisfactory examination. In view of this fact students intending to pursue the study of medicine are recommended, in their preliminary education, to take thorough courses in Physics and Chemistry, including laboratory work in each.

For the Academic calendar, 1901–1902, consult the Index.

### First Year

1. PHYSICS.

*Lectures*, combined with demonstrations, 3 a week for one half the year.

*Laboratory Work*, 3-hour exercises, 1 a week for one half the year.

2. GENERAL CHEMISTRY.

*Lectures*, 2 a week.

*Conferences*, 2 a week for one half the year.

*Laboratory Work*, 2-hour exercises twice a week for one half the year.

3. ANATOMY, begun.

*Demonstrations* to sections, 3 a week for each student.

*Laboratory Work*, in dissection, averaging 216 hours during the session.

4. NORMAL HISTOLOGY, begun.

*Laboratory Work*, 2 hour exercises, 3 times a week for one half the year.

5. PHYSIOLOGY, begun.

*Lectures*, combined with demonstrations, 3 a week.

*Demonstrations* to sections, 1 a week for each student.

EXAMINATIONS upon the work of the first year.

### Second Year

1. ANATOMY, finished.

*Lectures*, combined with demonstrations, 3 a week.

*Demonstrations* to sections, 4 a week for each student for one half the year; 5 a week for each student for one half the year.

*Laboratory Work* in dissection, averaging 120 hours during the session.

2. NORMAL HISTOLOGY, finished.

*Laboratory Work*, 2-hour exercises, 2 a week for one half the year.

3. Physiology, finished.

*Lectures*, combined with demonstrations, 3 a week.

*Demonstrations* to sections, 1 a week for each student.

4. Physiological Chemistry.

*Lectures*, with occasional demonstrations, 1 a week for one half the year for each student.

*Conferences*, combined with *Recitations*, 1 a week for one half the year.

*Laboratory Work*, 2-hour exercises 3 times a week for one half the year.

5. Pathological Anatomy, begun; the technique of autopsies.

*Attendance at Autopsies*, with practical instruction, 1 a week for 8 weeks.

6. Bacteriology and Hygiene.

*Laboratory Work*, 2-hour exercises 3 times a week for one fourth the year.

7. Materia Medica and Therapeutics, begun.

*Lectures*, 3 a week.

8 and 9. Obstetrics and Gynecology, begun.

*Recitations*, combined with demonstrations to sections, 1 a week for each student.

10. The Practice of Medicine, begun.

*Recitations*, 1 a week for each student.

Examinations upon the work of the second year.

**Third Year**

1. Materia Medica and Therapeutics, finished.

*Lectures*, 3 a week.

2. General Pathology and Pathological Histology.

*Laboratory Work*, 2-hour exercises 3 times a week for one half the year.

3. Pathological Anatomy, finished.

*Demonstrations* to sections, 2 a week for each student.

4. The Practice of Medicine.

*Lectures*, 1 a week.

*Recitations*, 2 a week for each student.

*Clinical Lectures* at the Vanderbilt Clinic, 2 a week.

*Clinical Lectures or Instruction* in the wards at the Roosevelt Hospital, 1 a week; at the New York Hospital, 1 a week for one half the year; in the wards of St. Mary's Free Hospital for Children, to sections, for each student 1 a week for 4 weeks.

*Practical Clinical Instruction* to sections in physical diagnosis, for each student 2 a week for 16 weeks.

5. Diseases of the Mind and Nervous System, begun.

*Lectures*, 1 a week, October to March.

6. The Principles and Practice of Surgery, begun.

*Lectures*, 1 a week.

*Recitations*, 3 a week.

*Surgical Demonstrations*, at the Presbyterian Hospital, 1 a week.

*Clinical Lectures*, at the Vanderbilt Clinic, 2 a week.

*Clinical Lectures* and the witnessing of operations at the Roosevelt and Presbyterian Hospitals, 2 a week; New York Hospital, 1 a week.

*Practical Clinical Instruction*, to sections, for each student 2 a week for 16 weeks at the Vanderbilt Clinic and Out-patient Department of the Roosevelt Hospital; 1 a week for 4 weeks at the St. Mary's Free Hospital for Children.

*Optional—Clinical Lectures* and the witnessing of operations additional to the above at the following hospitals: The New York, Presbyterian, St. Luke's, St. Mary's Free Hospital for Children, and the General Memorial Hospital.

7. Obstetrics, continued.

*Lectures*, 3 a week, 2 didactic and 1 clinical, October to March.

8. Gynecology, continued.

*Lectures*, 3 a week, March to May.

*Clinical Lectures* at the Vanderbilt Clinic, 1 a week.

*Clinical Lectures* and the witnessing of operations at the Roosevelt Hospital.

*Practical Clinical Instruction* to sections, 12 exercises for each student.

9. Venereal and Genito-Urinary Diseases.

*Clinical Lectures* at the Vanderbilt Clinic, 1 a week.

*Clinical Lectures*, and the witnessing of genito-urinary operations at Bellevue Hospital, 1 a week for the academic year.

*Practical Clinical Instruction* to sections, 10 exercises to each student.

10. Diseases of the Eye.

*Clinical Lectures* at the Vanderbilt Clinic, 1 a week.

*Practical Instruction* to sections in the use of the ophthalmoscope and the functional examination of the eye, 10 exercises for each student.

*Optional—Practical Clinical Instruction* to sections at the New York Ophthalmic and Aural Institute.

11. Diseases of the Ear.

*Practical Clinical Instruction* to half-sections, from 6 to 8 exercises for each student.

*Four Didactic Lectures* (delivered separately to each section, and in combination with a recitation) on general aural pathology and therapeutics.

Examinations upon the work of the third year.

**Fourth Year**

1. The Practice of Medicine, finished.

*Lectures*, 1 a week.

*Bedside Instruction* to sections in the wards of the Roosevelt or Presbyterian Hospital, 2-hour exercises 3 times a week for 4 weeks.

*Clinical Lectures* at the Vanderbilt Clinic, 2 a week

*Clinical Lectures or Instruction* in the wards at the Roosevelt Hospital, 1 a week; at the New York Hospital, 1 a week for 3 months.

*Practical Clinical Instruction* to sections in the wards of the Roosevelt, Bellevue, or Presbyterian Hospital, for each student, 2-hour exercises 3 times a week for 8 weeks.

*Optional—Clinical Instruction* in Bellevue and Presbyterian Hospitals, 2 a week.

2. Diseases of the Mind and Nervous System, finished.

*Lectures*, 1 a week, October to March.

*Clinical Lectures* at the Vanderbilt Clinic, 1 a week.

*Practical Clinical Instruction* to sections in the diagnosis of diseases of the nervous system, 10 exercises to each student.

3. Clinical Pathology.

*Laboratory Work*, 2-hour exercises 3 times a week for 8 weeks.

4. The Principles and Practice of Surgery, finished.

*Lectures*, 1 a week.

*Recitations*, 2 a week.

*Clinical Lectures* at the Vanderbilt Clinic, 2 a week.

*Required* (1) —*Clinical Lectures*, and the witnessing of operations by sections at the Roosevelt Hospital, 2 a week, or at the New York Hospital, 1 a week.

(2) *Practical Clinical Instruction* in the wards at Roosevelt and Bellevue Hospitals for 2 hours 3 days a week for 7 weeks for each section.

(3) *Operative Surgery* on the Cadaver, 12 lessons for each student.

(4) *Minor Operations* at the Vanderbilt Clinic and Out-Patient Department of Roosevelt Hospital, 3 a week for 1 month.

*Optional—Clinical Lectures* and the witnessing of operations at the New York Hospital, additional to the above, and at the Presbyterian, Bellevue, St. Luke's, St. Mary's, and General Memorial Hospitals.

5. Orthopædic Surgery.

*Clinical Lectures* at the Vanderbilt Clinic, 1 a week.

*Practical Clinical Instruction* to sections, 10 exercises for each student.

6. Obstetrics, finished.

Two weeks' residence at the Sloane Maternity Hospital and attendance upon confinements.

*Practical Clinical Instruction* to sections, at the Sloane Maternity Hospital, for each student, daily for 1 week.

7. Gynecology, finished.
*Clinical Lectures* at the Vanderbilt Clinic, 1 a week (optional).

8. Diseases of the Skin.
*Clinical Lectures* at the Vanderbilt Clinic, 1 a week.
*Practical Clinical Instruction* to sections, 10 lessons for each student.

9. Diseases of Children.
*Clinical Lectures* at the Vanderbilt Clinic, 1 a week.
*Clinical Lectures* at the Roosevelt Hospital, 2 a week.
*Practical Clinical Instruction* to sections, 10 lessons for each student.
*Optional—Clinical Lectures* at the New York Foundling or Babies' Hospital.

10. Diseases of the Throat and Nose.
*Lectures* at the Vanderbilt Clinic, 1 a week.
*Practical Clinical Instruction* to sections, 10 lessons for each student
Examinations upon the work of the fourth year.

### Clinics at the Vanderbilt Clinic

Twelve clinics are given each week at the Vanderbilt Clinic, as follows:

Surgical { Professor Bull, Thursdays, 12 M.
Professor Weir, Mondays, 12 M.

Orthopædic Surgery—Professor Gibney, Fridays, 12 M.

Diseases of the Throat and Nasal Passages—Professor Lefferts, Mondays, 2 P.M.

Diseases of the Skin—Professor Fox, Mondays, 3 P.M.

Diseases of the Eye—Professor Knapp, Tuesdays, 2 P.M.

Diseases of Children—Professor Jacobi, Wednesdays, 2 P.M.

Venereal and Genito-Urinary Diseases—Professor Taylor, Thursdays, 2 P.M.

Medical—Professor Delafield, Thursdays, at 3 P.M.; Dr. James, Wednesdays, at 3 P.M.

Diseases of the Mind and Nervous System—Professor Starr, Fridays, 2 P.M.

Gynecological—Professor Tuttle, Fridays, 3 P.M.

### Hospital Clinics

*See the Statements of the several Departments.* (pages 61–182)

Besides the Vanderbilt Clinic, the general and special hospitals of New York afford most important fields for clinical teaching. This College is strongly represented on the staffs of these institutions, and regular clinical instruction at hospitals is made a prominent feature of the curriculum. *Admission is free* to all matriculated students. At all the following hospitals instruction is given by officers of the College:

Sloane Maternity Hospital, corner of Fifty-ninth Street and Amsterdam Avenue.

ROOSEVELT HOSPITAL—This has long been the seat of thorough clinical work, and has become of special importance in this respect from its position, immediately opposite the buildings of the College of Physicians and Surgeons, upon Fifty-ninth Street, between Ninth and Tenth Avenues, Moreover, this hospital, a few years ago, received a bequest of several hundred thousand dollars for the erection and endowment of the SYMS OPERATING THEATRE, which now offers unrivalled facilities for instruction in operative surgery.

THE MCLANE OPERATING THEATRE is used for operative gynecology by Professor Tuttle exclusively.

The Roosevelt is a general hospital, having two hundred beds for ward patients besides a separate Pavilion, in which there are thirty-eight rooms for private patients; it also possesses a flourishing Out-patient Department.

Public clinics are given here as follows, throughout the College session:

*Medical*—Mondays, at 4 P.M., Professor PEABODY and Dr. JAMES

*Surgical*—Tuesdays, at 3.15 P.M., Professor WEIR; Tuesdays, at 11.45 A.M., from October to February, and Wednesdays, at 11.45 A.M., from February to May, Professor BULL; Saturdays, at 3.15 P.M., Professors BULL and WEIR

*Gynecological*—Tuesdays, Thursdays, and Saturdays, at 2.30 P.M., Professor TUTTLE

*Children's*—Mondays and Thursdays, at 5 P.M., Professor JACOBI

NEW YORK HOSPITAL, Fifteenth Street, between Fifth and Sixth Avenues—Reached from the Medical College by taking the Sixth Avenue Elevated Railroad at the corner of Ninth Avenue and Fifty-ninth Street, and leaving the cars at the corner of Fourteenth Street and Sixth Avenue; or by the surface cars.

This is a general hospital of the highest class, of one hundred and fifty beds, with an Out-patient Department.

The public clinics are the:

*Medical*—Saturdays, at 10.30 A.M., from November to May, Professors PEABODY and BALL

*Surgical*—Saturdays, at 11.30 A.M., from October to February, or at 3.15 P.M., from February to June. Professors HARTLEY and MARKOE

BELLEVUE HOSPITAL, Twenty-sixth Street and East River—Easily reached from the College by the electric cars of the Metropolitan Traction Company, transferring to the Lexington Avenue or Second Avenue cars.

This hospital has eight hundred and fifty beds, and receives sixteen thousand patients annually, of whom one fourth are in the exclusive charge of officers of this College.

The service of the Out-patient Department also covers a great range of practice; and two newly built operating theatres, a large and a small one, are in full use.

The following clinics are held here during the session:

*Surgical*—Tuesdays, 2.30 P.M., Drs. HOTCHKISS and GALLAUDET

*Venereal and Genito-Urinary*—Tuesdays, 3.30 P.M., Professor TAYLOR

ST. LUKE'S HOSPITAL, Morningside Heights, One Hundred and Thirteenth Street and Amsterdam Avenue.

*Surgical*—Drs. MARKOE and ABBE will give a clinic, to which students are admitted, on Fridays at 2.30 P.M.

PRESBYTERIAN HOSPITAL, Madison Avenue and Seventieth Street—Accessible from the Medical School by the Fifty-ninth Street electric cars, transferring to the Madison Avenue cars, which pass the building.

This is a large general hospital of three hundred and thirty beds. The following clinics will be held here throughout the session:

*Surgical*—Tuesdays, 3.30 P.M., Dr. MCCOSH; Wednesdays and Fridays, 2.30 P.M., Dr. ELIOT

*Medical*—December, January, February, March, April, Tuesdays, 4 P.M., and Saturdays 3 P.M., Professor KINNICUTT

GENERAL MEMORIAL HOSPITAL, One Hundred and Sixth Street and Central Park, West—Elevated Railroad station, One Hundred and Fourth Street and Columbus Avenue. It can be reached also by the Eighth Avenue surface road.

Two clinics a week are held here, viz.:

*Surgical*—Mondays, 9 A.M., Dr. CHAS. N. DOWD

*Gynecological*—Tuesdays, 9 A.M., Dr. GEO. W. JARMAN

NEW YORK OPHTHALMIC AND AURAL INSTITUTE, 44 and 46 East Twelfth Street—Reached by the Sixth Avenue Elevated train, which should be left at the Fourteenth Street station; or by the Broadway electric cars.

This hospital has forty beds, and a large daily dispensary service is held for diseases of the eye and ear. Throughout the session the following clinic is held:

*Ophthalmological*—(Admission by invitation of sections.) Selected cases for diagnosis and treatment; the most important operations on the eye. Wednesdays, 2 to 3.45 P.M., Professor KNAPP

HOSPITAL FOR THE RUPTURED AND CRIPPLED, Lexington Avenue and Forty-third Street—Reached by electric cars along Fifty-ninth Street, transferring to Lexington Avenue cars.

The following clinics are held here, viz.:

Tu. and F., 8.30–9.30 A.M., Professors GIBNEY and BULL

Tu., Th., and S., 1–3 P.M. Out-patient clinic—Dr. WHITMAN

ST. MARY'S FREE HOSPITAL FOR CHILDREN, 405 and 407 West Thirty-fourth Street—Reached by the Ninth Avenue Elevated Railroad.

One clinic a week is held here, viz.:

Th., 10.30–11.30 A.M., Dr. CHAS. T. POORE

New York Foundling Hospital, 175 East Sixty-eighth Street, or Babies' Hospital, 127 East Fiftieth Street.

Two clinics a week, viz.:

Tu. and F., 3.15 P.M., Professor Holt

## BOARD

Information in regard to board can be obtained through the Assistant Registrar, Mr. E. T. Boag, at his office in the Medical School. Prices range from $5 to $9 per week.

## CORRESPONDENCE

Letters requesting information should be addressed to Secretary of the Faculty, 437 West Fifty-ninth Street, New York.

## EXAMINATIONS AND STANDING

Each student must be examined at the close of each session upon the work of that session.

A second examination, for candidates found deficient at the close of the first, second, or third year's work, will be held during the week before the opening of the following session.

### Exemption from Physics and General Chemistry

1. Persons who have pursued successfully at colleges, scientific schools, or universities, courses in Physics, or General Chemistry, or both, substantially equivalent to those given to medical students at this University, may be exempted from the first-year work in either or both of the above subjects on presentation of properly authenticated certificates from the institutions at which the said courses were pursued.

2. Persons who have pursued elsewhere than at colleges, scientific schools, or universities, courses in Physics, or General Chemistry, or both, claimed to be substantially equivalent to those given to medical students at this University, may be exempted from the first-year work in either or both of the above subjects on passing satisfactory examinations, both theoretical and practical.

### Admission to Advanced Standing

Admission may be granted to advanced standing at the beginning of the second or of the third year, but not of the fourth year without the special consent of the Faculty.

Every applicant for advanced standing will be required (1) to present satisfactory evidence of having attended, in a recognized medical school (or, *for General Chemistry or Physics* in a recognized college, scientific school, or university), courses reasonably equivalent to those already attended by the class to which he seeks admission; (2) to be

examined for admission in all the subjects in which the said class shall have been examined already; (3) to present a medical-student certificate from the Regents of the University of the State of New York; (4) to matriculate with the payment of the regular matriculation fee (five dollars).

A candidate for admission to advanced standing at the beginning of the second or third year may be so admitted either unconditionally or conditionally. In the latter case, his admission will be upon the same terms as govern the students who have pursued at this college the curriculum of the first or second year.

During the week before the opening of each session there will be held examinations upon the work done during the previous session in each department of the first, second, and third years of the course, which examinations will be open both to candidates found deficient at the end of the previous session, and to candidates for admission to advanced standing at the beginning of the second, third, or fourth year.

### Standing at the End of Each Year

For a detailed statement as to the method whereby the standing of a student is determined at the end of each of the four years of the course, the reader is referred to the *Announcement of the College of Physicians and Surgeons.*

## REQUIREMENTS FOR GRADUATION

Every candidate before admission to the degree of M.D. will be required:

1. To present satisfactory evidence, as required by law, of good moral character, and of having attained the age of twenty-one years.
2. To present evidence of having complied with the requirements for admission.
3. To have attained to satisfactory standing in the required studies of the four years of the curriculum.
4. A candidate who shall have been admitted to advanced standing will be required to have spent not less than four academic years at the studies referred to in the clause next preceding; and to have complied successfully with the requirements for admission to advanced standing.

No two academic years which shall have begun during the same calendar year will be held to satisfy the requirements of the above clause.

## THE DEGREE OF MASTER OF ARTS

The degree of Master of Arts may be conferred upon students holding college degrees who shall have completed with distinction the entire course of the School of Medicine, provided that in each case the candidate presents a satisfactory dissertation, and that at least a part of the extra work required of him for the degree of Master of Arts be taken

under the direction of the Faculty of Philosophy, Political Science, or Pure Science, to the extent of one minor course for not less than one year.

Students in the School of Medicine who are candidates for the degree of Master of Arts, in accordance with the preceding paragraph, are subject to the regulations of the faculty of Philosophy, Political Science, or Pure Science, under which the extra work is taken, and which finally recommends the candidates for the degree. Such students should apply to the Dean of the same faculty for a registration-book.

## ALONZO CLARK SCHOLARSHIP

See page 39.

## FELLOWSHIPS

For the University Fellowships, see page 24.
For the Alumni Association Fellowships, see page 38.
Proudfit Fellowship, see page 38.

## PRIZES

For the Harsen Prizes for clinical reports, see page 39.
For the Harsen Prizes for proficiency at examination, see page 39.
For the Alumni Association Prize, see page 40.
For the Cartwright Prize, see page 40.
For the Stevens Triennial Prize, see page 40.
For the Joseph Mather Smith Prize, see page 41.

## EQUIPMENT AND COLLECTIONS

Detailed information as to the laboratories, collections, and other facilities for study will be found in the statements of the various departments of instruction, pages 61–182.

## REQUIREMENTS FOR LICENSE TO PRACTICE MEDICINE IN NEW YORK STATE

For information, see the *Announcement of the College of Physicians and Surgeons.*

## REGISTER OF STUDENTS

### FOURTH YEAR CLASS

ADAMS, JOHN KING.....E. Orange, N. J.
ASCH, JOSEPH JEFFERSON.....(Mhtn) New York City
BAFF, MAX.....Leominster, Mass.
BAKER, CHARLES FREDERICK.....Newark, N. J.
BEACH, RALPH MUNSON.....(Bklyn) New York City
BELL, HAROLD WALSWORTH.....(Mhtn) New York City
BETOWSKI, LEON STANISLAUS.....Waverly, N. Y.
BISSELL, PHILIP, A.B., *Columbia*.....(Mhtn) New York City
BONNELL, CLARENCE HORNBECK, A.B., *Rutgers*.....(Mhtn)New York City
BOOTH, FRANKLIN HENDRICKSON, A.B., *Yale*.....Elmhurst, N. Y.
BRACKER, MAX HENRY, Jr.....(Mhtn) New York City
BRAUN, ALFRED, A.B., *N. Y. City College*.....(Mhtn) New York City
BRIDGE, GEORGE ALEXANDER, A.B., *Yale*.....Hazardville, Conn.
BROWN, SHERMAN.....Bloomfield, Canada
BULL, W. TILLINGHAST, Ph.B., *Yale*.....Newport, R. I.
BUSCK, GUNNI JULIUS.....(Mhtn) New York City
BUTTS, ARTHUR CLARKSON, Jr.....(Mhtn) New York City
CHANCELLOR, CHARLES HURST.....(Mhtn) New York City
CHIBAS, LINO SISTO FELICISIMO.....Guantanamo, Cuba
COHN, ISADORE, B.S., *N. Y. City College*.....(Mhtn) New York City
CONKLIN, DANIEL BECKEL.....Dayton, O.
CORRIGAN, HENRY JOHN COLE, A.B., *Brown*; A.M., *St. Francis Xavier*, Providence, R. I.
CORTRIGHT, CHARLES BARTLES.....Newark, N. J.
COULTAS, ALDO BLISS.....Newark, N. J.
COVERT, JAY BYINGTON, A.B., *Hobart*.....Geneva, N. Y.
DALTON, WILLIAM ALOYSIUS, B.S., *N. Y. City College*; M.S., Ph.D., *N. Y. University*, (Br) New York City
DANFORTH, EDWARD.....(Mhtn) New York City
DAVIS, J. WILLIAM.....Livingston Manor, N. Y.
DEUTSCH, SIGMUND.....(Mhtn) New York City
DILLON, CHARLES JOSEPH, A.B., *Manhattan College*.....(Mhtn) New York City
DOLLARD, HENRY LOUIS.....Oyster Bay, N. Y.
DOOLITTLE, WILLARD FOSTER.....(Mhtn) New York City
DOON, JAMES HENRY.....Worcester, Mass.
ENGELKE, CHARLES.....Waterbury, Conn.
ERDMAN, SEWARD, A.B., *Princeton*.....Morristown, N. J.
ESTILL, ROBERT JULIAN, A.B., *Kentucky University*.....Lexington, Ky.
EVANS, JOHN HARRY, B.Agr., *Storr's Agricultural College*.....West Woodstock, Conn.
FEWSMITH, JOSEPH LIVINGSTON, A.B., *Yale*.....Newark, N. J.
FLETCHER, NORTON DELOS LULL, A.B., *Columbia*.....(Mhtn) New York City
FOWLER, SAMUEL ROBERTSON.....(Mhtn) New York City
FRINK, CLAUDE AUGUSTINE, A.B., *Williams*.....North Adams, Mass.
GARRIGAN, GERARD PAUL.....Newark, N. J.

GIFFEN, STANLEY D. ..... Hamilton, O.
GILLESPIE, DAVID HALLIDAY MOFFAT, A.B., *Yale* ..... (Mhtn) New York City
GOLDBERG, JACOB MONTGOMERY ..... (Mhtn) New York City
GOODFRIEND, NATHAN ..... (Mhtn) New York City
GROUT, GERALD HARRISON ..... Saginaw, Mich.
HABERSTROH, ARTHUR ..... (Mhtn) New York City
HAHN, GEORGE HENRY ..... Newark, N. J.
HALL, CHARLES HENRY ..... (Bklyn) New York City
HAMILTON, ALLEN, A.B., *Williams* ..... Fort Wayne, Ind.
HAMMER, JULIUS ..... (Mhtn) New York City
HARROLD, CHARLES COTTON, B.S., *University of Georgia* ..... Americus, Ga.
HART, GEORGE GRAHAM ..... Larchmont, N. Y.
HARTSHORN, WINFRED MORGAN, A.B., *Yale* ..... New Haven, Conn.
HAWKINS, NORMAN LOUIS ..... Islip, N. Y.
HENNING, DAVID MERIWETHER, M.D., *Memphis Medical College* ..... Memphis, Tenn.
HERBERT, EDWARD ..... Fall River, Mass.
HERZIG, ARTHUR J. ..... (Mhtn) New York City
HEUBLEIN, ARTHUR CARL ..... Hartford, Conn.
HIRSCH, ISAAC SETH ..... (Mhtn) New York City
HYDE, JAMES SAMUEL ..... Fall River, Mass.
JACOB, WILLIAM HENRY ..... Paterson, N. J.
JENNINGS, FRANK DORMER ..... (Mhtn) New York City
JONES, SAMUEL FOSDICK ..... (Mhtn) New York City
KEATOR, HARRY MAYHAM, A.B., *Yale* ..... Roxbury, N. Y.
KEENAN, ALBERT JOSEPH, A.B., *Manhattan College* ..... (Bklyn) New York City
KINNEY, VIRGIL CHARLES ..... Cuba, N. Y.
KNAPP, CLINTON BEECHAM, A.B., *Ohio Weslyan University* ..... Wooster, O.
KNIGHT, ROBERT ..... Seneca Falls, N. Y.
KRAUSKOPF, HENRY ..... (Mhtn) New York City
KREHBIEL, OTTO FREDERICK, A.B., *N. Y. City College* ..... (Mhtn) New York City
KUHR, ERNESTUS OTTO, A.B., A.M., *St. John's College* ..... (Bklyn) New York City
LAWSON, JAMES HERBERT ..... (Mhtn) New York City
LEE, LAURENCE ..... Savannah, Ga.
LEHMACHER, FRANK ..... Newark, N. J.
LIPSHUTZ, NATHAN ..... (Mhtn) New York City
LOEW, HARRY KALMAN ..... Brownsville, Texas
LOUGHRAN, ELBERT DUBOIS ..... Kingston, N. Y.
LOWREY, JAMES HENRY ..... Newark, N. J.
MCCABE, JOHN ..... (Mhtn) New York City
MCCHESNEY, HERMAN FRANKLIN, B.S., *Carleton College* ..... Northfield, Minn.
MCFARLAND, GEORGE HENRY, Jr., B.S., *Princeton* ..... Cambridge, N. Y.
MCGRAW, THEODORE ALEXANDER, Jr., A.B., *Yale* ..... Detroit, Mich.
MCSHEEHY, THEOBALD COLEMAN, A.B., *Holy Cross College* ; A.M., *St. Francis Xavier*, Whitinsville, Mass.
MACGUIRE, DANIEL PHILIP ..... (R) New York City
MATTHEWS, FRANK CAMERON, A.B., *Leland Stanford, Jr., University*, (Mhtn) New York City
MEAD, LOUIS DURANT, B.S., *University of California* ..... San Francisco, Cal.
MEEKER, HAROLD DENMAN, A.B., *Wesleyan University* ..... (Mhtn) New York City
MEYER, WILLIAM HENRY ..... (Mhtn) New York City
MILLIKEN, SAMUEL RAMSEY, B.S., *Southwestern University* ..... Lewisville, Texas
MILLIKEN, SETH MINOT, A.B., *Yale* ..... (Mhtn) New York City
MONROE, PARLEY WILLIAM, B.S., *Franklin* ..... Yonkers, N. Y.
MOSLER, FRED HENRY ..... (Mhtn) New York City
MURPHY, JOSEPH DENIS ..... Worcester, Mass.
O'NEILL, HUGH PIUS, A.B., *St. Joseph's College* ..... St. Andrew, N. B.
O'ROURKE, MICHAEL FRANCIS, A.B., *St. Francis Xavier* ..... (Mhtn) New York City
PAGE, ALBERT WILLIAM ..... Chappaqua, N. Y.

PAPPENHEIMER, ALVIN MAX, A.B., *Harvard*.....(Mhtn) New York City
PENTLARGE, VICTOR HOWARD.....Wyoming, O.
PFLETSCHINGER, FREDERIC, B.S., *N. Y. City College*.....(Mhtn) New York City
PHILLIPS, FREDERICK GEORGE.....Providence, R. I.
POLLAK, ALFRED WILLIAM.....Waterbury, Conn.
PROVINCE, ORAN ARNOLD, A.B., *Indiana*.....Franklin, Ind.
PYLE, FRANCIS WINTHROP, A.B., *Yale*.....Bridgeport, Conn.
QUELL, JOHN ADAM, Jr.....(Bklyn) New York City
RADIN, HERMAN THEODORE, A.B., *N. Y. City College*.....(Mhtn) New York City
RHODES, GOODRICH BARBOUR, A.B., *Yale*.....Cincinnati, O.
RICE, JAMES FRANCIS, A.B., A.M., *N. Y. University*.....Guadenhütten, O.
RIGGS, AUSTEN F., A.B., *Harvard*.....(Mhtn) New York City
ROSE, ROBERT HUGH, A.B., *DePauw University*.....Carthage, Mo.
ROSENBLUTH, BENJAMIN.....(Br) New York City
ROSENBLUTH, MICHAEL.....(Mhtn) New York City
ROYS, CHARLES KIRKLAND, A.B., *Princeton*.....La Crosse, Wis.
SAPHIR, JOSEPH FREDERICK.....(Bklyn) New York City
SATENSTEIN, DAVID LAWRENCE.....(Mhtn) New York City
SCHEINBERG, LOUIS.....(Mhtn) New York City
SCHULTE, HERMANN VON WECHLINGER, A.B., *Trinity*.....(Mhtn) New York City
SECKEL, WALTER.....(Mhtn) New York City
SEFF, ISADORE.....Northumberland, Pa.
SELLECK, ERNEST EDWARD, Ph.B., *Yale*.....Norwalk, Conn.
SHIPMAN, CLARK SMYTHE.....(Mhtn) New York City
SIGLAR, HENRY BURR, A.B., *Yale*.....Newburgh, N. Y.
SILK, MORRIS, A.B., *N. Y. City College*.....(Mhtn) New York City
SLOAN, ANDREW.....Utica, N. Y.
SMITH, ARCHIBALD DELAP, A.B., *Yale*.....(Bklyn) New York City
SMITH, DAVISON HEERMANCE, A.B., *Columbia*.....(Mhtn) New York City
SPITZKA, EDWARD ANTHONY.....(Mhtn) New York City
STOLL, HENRY FARNUM.....Port Jervis, N. Y.
STRONG, SAMUEL MEREDITH.....Logansport, Ind.
SULLIVAN, JOHN JEROME, A.B., *University of Nevada*; A.M., *St. Francis Xavier*, Virginia City, Nevada
SUTPHEN, EDWARD BLAIR.....Newark, N. J.
SYLVIA, CHARLES ANTHONY.....New Bedford, Mass.
TITUS, HENRY WOODRUFF, A.B., *Williams*.....Auburn, N. Y.
VAN ALSTYNE, WILLIAM BECKER..... Plainfield, N. J.
VAN BEUREN, FREDERICK THEODORE, Jr., A.B., *Yale*.....(Mhtn) New York City
VAN WART, FRANK BRUSH.....(Bklyn) New York City
WARREN, EARL PHILIP.....Orwell, Vt.
WATERHOUSE, HENRY E.....Pascoag, R. I.
WEBB, FRANK REED.....(Mhtn) New York City
WEBSTER, CHARLES EDWARD, Jr., A.B., *Lehigh*.....S. Bethlehem, Pa.
WELLS, WILLIAM HENRY, C.E., *Princeton*; Ph.G., *N. Y. College of Pharmacy*, Jersey City, N. J.
WESTCOTT, WILLIAM BEVERLY.....Montgomery, Ala.
WHEELER, ALFRED W.....Oakland, Maine
WHITE, GEORGE DOUGLAS.....Jersey City, N. J.
WHITTEMORE, EDWARD REED, A.B., *Yale*.....New Haven, Conn.
WILCOX, HERBERT BUDINGTON, A.B., *Yale*.....Summit, N. J.
WOLLHEIM, JACOB LEWIS.....(Mhtn) New York City

Fourth Year Class.....148

## THIRD YEAR CLASS

ABEL, SAMUEL.....(Mhtn) New York City
ADAMS, PAUL ALLEN, A.B., *Leland Stanford, Jr., University*.....Helena, Mont.
ALLEN, DAVID GORDON.....Savannah, Ga.

AMES, ELMER HEMPSTED.....Jersey City, N. J.
ANDREWS, WARREN BEECHER.....Plantsville, Conn.
BAKER, FRED REUEL, A.B., *Williams*.....Bloomington, Ill.
BAMA, LEWIS.....(Mhtn) New York City
BARNES, HARRY.....Ashton, R. I.
BARRETT, HERBERT HENRY.....(Mhtn) New York City
BEATTIE, WILLIAM HENRY, A.B., *Williams*.....Cohoes, N. Y.
BECK, ERICH CARL ADOLPH.....(Mhtn) New York City
BENTZ, GEORGE HENRY.....(Mhtn) New York City
BLOCK, MARK.....(Mhtn) New York City
BLOOM, DAVID MERWIN.....Newark, N. J.
BLUMGART, LEONARD.....Newark, N. J.
BODENHEIMER, MILTON, B.S., *N. Y. City College*.....(Mhtn) New York City
BORDEN, JOHN HARVEY, A.B., *Yale*.....(Mhtn) New York City
BRENNGLASS, JOACHIM, Ph.G., *N. Y. College of Pharmacy*....(Mhtn) New York City
BRILL, ABRAHAM, Ph.B., *N. Y. University*.....(Mhtn) New York City
BROPHY, WILLIAM JOSEPH, B.S., *St. Francis College, Brooklyn*.....Saratoga, N. Y.
BROWN, ALFRED JEROME, A.B., *Yale*.....(Mhtn) New York City
BROWN, FRANK EDWIN.....(Bklyn) New York City
BUGBEE, HARRY GREENWOOD.....Springfield, Mass.
BULLOWA, JESSE GODFREY MORITZ, A.B., *N. Y. City College*..(Mhtn) New York City
BURDICK, CARL GOODWIN.....Springfield, Mass.
BURFORD, MORTIMER GILBERT.....(Bklyn) New York City
CANNON, JAMES RUTHERFORD.....Irvington-on-Hudson, N. Y.
CANTLE, HERBERT CUTHBERT.....(Mhtn) New York City
CAPITO, GUSTAV BENZ, A.B., *Washington and Lee*.....Charleston, W. Va.
CARPENDER, JOHN NEILSON, Jr., B.S., *Rutgers*.....New Brunswick, N. J.
CARTER, NORMAN MCLEOD, A.B., *Princeton*.....(Mhtn) New York City
CHACE, ARTHUR FREEBORN, B.S., *Earlham*; A.B., *Harvard*.....South Swansea, Mass.
CLAY, THOMAS ARTHUR.....Paterson, N. J.
COCKS, GERHARD HUTCHISON, A.B., *Yale*.....(Mhtn) New York City
COHEN, FRANK.....(Mhtn) New York City
COLTON, EDWIN ARTHUR, A.B., *Amherst*.....Montpelier, Vt.
COOK, ALBERT EDWARD.....(Bklyn) New York City
CORNMAN, LEIGHTON RANDOLPH.....(Mhtn) New York City
COSGROVE, JOHN JOSEPH.....Worcester, Mass.
COWLES, HENRY CLAY, Jr., A.B., *University of North Carolina*.....Statesville, N. C.
DAVID, FRANK HAINES.....(Mhtn) New York City
DEAL, FRED AUGUSTUS, M.D., *Albany Medical College*.....Green Island, N. Y.
DE BAUN, RALPH.....Valley Cottage, N. Y.
DIAS, JOSEPH LAWRENCE.....New Bedford, Mass.
DORAN, CHARLES EDMUND, A.B., *University of Nebraska*.....(Mhtn) New York City
DUBOIS, FRANCIS ELBERT, A.B., *Princeton*.....(Mhtn) New York City
DURHAM, ROGER, A.B., *Columbia*.....(Mhtn) New York City
ELIAS, LEWIS WEIMAR, A.B., *Trinity College, North Carolina*.....Franklin, N. C.
ELMORE, WILBUR BRUCE, A.B., *Columbia*.....Oberlin, O.
EPLER, DON AGARD.....Saratoga, N. Y.
ERDWURM, FRANK, B.S., *N. Y. University*.....Jersey City, N. J.
ERSKINE, JAMES PENDLETON, A.B., *Wesleyan*.....(Mhtn) New York City
EVANS, ARCHIBALD PARKER.....(Bklyn) New York City
FAIRCHILD, CHARLES WAGER.....Tarrytown, N.Y.
FASSETT, BRYANT SLOAT.....Elmira, N. Y.
FAUCETT, SAMUEL THOMPSON.....Stamford, Conn.
FINCH, LEW HENRI.....Broadalbin, N. Y.
FINN, FREDERIC ALOYSIUS, A.B., *St. Peter's College*.....Jersey City, N. J.
FRANKLIN, LOUIS.....Jersey City, N. J.
FRIED, GUSTAV ADOLPH, A.B., *Harvard*.....(Mhtn) New York City
FRIEDMAN, HARRY JACOB.....(Mhtn) New York City

GAGE, GEORGE HENRY.....Bellona, N. Y.
GARRETSON, WILLIAM VAN PELT.....Jersey City, N. J.
GARSIDE, CHARLES ZEH.....Newark, N. J.
GARVIN, WILLIAM CREIGHTON.....(Mhtn) New York City
GOLDFRANK, FRED, A.B., *Harvard*.....(Mhtn) New York City
GOULD, GEORGE CLIFFORD.....Mt. Vernon, N. Y.
GREGORY, WARD SLOSSON, Ph.B., *Yale*.....Norwalk, Conn.
GREIF, JOSEPH.....(Mhtn) New York City
GROSS, HERMAN.....(Mhtn) New York City
GULLIVER, FRANCIS DANIEL.....Portland, Me.
HABER, WILLIAM JOHN, Ph.G., *University of California*.....San Francisco, Cal.
HAMILTON, SAMUEL WARREN, A.B., *University of Vermont*.....Rutland, Vt.
HARRAN, GEORGE PATRICK.....(Mhtn) New York City
HASKING, ARTHUR PERRY.....Jersey City, N. J.
HAWKS, EVERETT MERL, A.B., *Columbia*.....Tarrytown, N. Y.
HAYNES, ROYAL STORRS, Ph.B., *Cornell*.....(Bklyn) New York City
HAZAY, MAX.....(Mhtn) New York City
HELGESON, KARL ALFRED.....Keokuk, Iowa
HENDERSON, ALFRED COLLARD, B.S., *Amherst*.....(Bklyn) New York City
HERLITZKA, LOUIS.....(Mhtn) New York City
HIGGINS, SPENCER LITTLEFIELD, B.S., *Rutgers*.....Roselle, N. J.
HOLCOMB, HENRY VAN VELSOR, Ph.G., *N. Y. Coll. of Phar*.....Mamaroneck, N. Y.
HOLDRIDGE, WALTER HENRY.....Catskill, N. Y.
HOROWITZ, ISRAEL.....(Mhtn) New York City
HUFF, EARLE PHINEAS.....Ada, O.
HUFFMAN, OTTO VON.....Dayton, O.
HUMPHREYS, FREDERICK BROWN, Ph.B., *Yale*.....(Mhtn) New York City
IRVING, PIERRE FREDERIC, A.B., *Columbia*.....(Mhtn) New York City
JACHES, LEOPOLD, LL.B., *New York Law School*.....(Mhtn) New York City
KANNER, SAMUEL HENRY.....(Mhtn) New York City
KELLOGG, HENRY KIRKE WHITE, B.S., *Amherst*.....(Mhtn) New York City
KENT, JAMES MANNING, A.B., *Brown*.....Putnam, Conn.
KENYON, HAROLD DENISON.....Westerly, R. I.
KERNAN, JOHN DEVEREUX, Jr., A.B., *Harvard*.....(Mhtn) New York City
KESSEL, LEO.....(Mhtn) New York City
KINGSBURY, ISAAC WILLIAM, A.B., *Harvard*.....(Mhtn) New York City
KNIPE, JOSEPH BOLTON.....(Mhtn) New York City
KNIPE, WILLIAM HUGH WELLINGTON, A.B., *N. Y. City College*..(Mhtn) New York City
LANG, OTTO, Jr., A.B., *Detroit*.....Detroit, Mich.
LE COMTE, JOHN RADWAY.....(Mhtn) New York City
LEITER, HORACE LOUIS, A.B., *Harvard*.....Syracuse, N. Y.
LENNOX, PAUL MARTIN.....Colorado Springs, Colo.
LENT, MALCOLM FOSTER.....Peekskill, N. Y.
LEONARD, ARTHUR JAMES.....Saratoga, N. Y.
LESEM, WILLIAM WOLFE, A.B., A.M., *Columbia*.....(Mhtn) New York City
LEVY, JOSEPH.....(Bklyn) New York City
LORBER, HERMAN.....(Mhtn) New York City
LORD, WILLIAM OGDEN.....New Bedford, Mass.
LYNE, FRANK FARRA, B L., *Kentucky University*.....Brannon, Ky.
MCCASTLINE, WILLIAM HENRY.....(Mhtn) New York City
MCCOLLOM, WILLIAM EZRA.....(Bklyn) New York City
MACBEAN, WILLIAM ALISTAIR BRUCE.....Tarrytown, N. Y.
MARKHAM, CONVAS LANE.....Haverstraw, N. Y.
MARKS, SAMUEL BLACKBURN, B.S., *Kentucky State College*.....Versailles, Ky.
MOSENTHAL, HERMAN OTTO, A.B., *Columbia*.....(Mhtn) New York City
NASH, WILLIAM GIBBS, A.B., *Harvard*.....(Mhtn) New York City
NELSON, NATHAN WILLIAM.....Richmond, Va.
NEUMANN, WILLIAM.....(Mhtn) New York City

Newman, Frederick James.....(Mhtn) New York City
Nicoll, Alexander.....(Mhtn) New York City
Nicoll, Leonard Francis.....(Mhtn) New York City
Ogan, Morris Lee.....(Mhtn) New York City
Osgood, Charles.....Norwich, Conn.
Owens, George Conrad.....Adams Center, N. Y.
Palmer, Lynn Ransom.....Sidney, N. Y.
Parkinson, James McDavid.....Norwich, Conn.
Paterson, Douglas Campbell.....(Mhtn) New York City
Peabody, James Royden.....Columbus, Ga.
Pease, Theodore Normand.....Boston, Mass.
Pierpont, David Cowee.....National Home, Wis.
Pierson, Henry Morton.....Roselle, N. J.
Posner, Edward Rudolph.....Des Moines, Iowa
Potter, Philip Sheridan, B.A., *Yale*.....North Adams, Mass.
Pou, Robert Edward.....Columbus, Ga.
Puente, Alfonso Manuel, A.B., *University of Havana*.....Santiago, Cuba
Recknagel, William Edward.....Brunswick, Ga.
Reid, Robert Lincoln.....(Mhtn) New York City
Ringland, Robert Finlay.....Montclair, N. J.
Robinson, Emanuel Marx.....(Mhtn) New York City
Rokeach, Aaron.....(Mhtn) New York City
Rosen, Isadore.....(Mhtn) New York City
Rosenbaum, Morris.....(Mhtn) New York City
Rowland, Harry Haynes, A.B., *Williams*.....Geneseo, N. Y.
Royall, Edson Davidge.....Lebanon, Conn.
Runyon, Laurance Phillips, B.S., *Rutgers*.....New Brunswick, N. J.
Ryan, Joseph Patrick.....Danbury, Conn.
Saladino, Sebastian.....(R) New York City.
Sargent, Francis Augustus, Ph.B., *Wesleyan*.....Bangor, Me.
Scheina, Otto.....(Mhtn) New York City
Schnepel, George Augustus.....(Mhtn) New York City
Shannahan, Richard Joseph, A.B., *Holy Cross*.....Worcester, Mass.
Simmons, Fred Albert, Ph.B., *Brown*.....Adams, Mass.
Sinnott, Joseph John.....Mt. Vernon, N. Y.
Smith, Leroy James.....Turner, N. Y.
Spanier, Louis.....(Mhtn) New York City
Stern, Adolph, A.B., *N. Y. City College*.....(Mhtn) New York City
Stetson, Dudley Donnelly.....(Mhtn) New York City
Stork, Louis, Jr.....(Bklyn) New York City
Strodl, George Thomas, A.B., *N. Y. City College*.....West Hoboken, N. J.
Tarditi, Antonio.....(R) New York City
Taves, Archibald William.....(Mhtn) New York City
Tilton, Arthur Russell.....Hammond, N. Y.
Trainor, James Henry.....New Brunswick, N. J.
Tunick, Isidor Solomon.....(Mhtn) New York City
Twichell, David Cushman, A.B., *Yale*.....Hartford, Conn.
Van Dyke, Benjamin Smith.....Stockton, N. J.
Vary, Harvey Judson, A.B., *Williams*.....Skaneateles, N. Y.
Weissman, Max, A.B., *N. Y. City College*.....(Mhtn) New York City
Whitbeck, Brainerd Hunt, A.B., *Harvard*.....Rochester, N. Y.
Whittaker, Neil McLeod.....(Bklyn) New York City
Wickham, Joseph Nelson.....(Q) New York City
Widmer, Henry Rudolph.....(R) New York City
Williams, Frederic Darbey.....Valley Falls, R. I.
Williams, Irving Dewey, A.B., A.M., *Hamilton*.....Turin, N. Y.
Williams, John Nelson, A.B., *Columbia*.....Bedford, N. Y.
Wolff, Morris.....Muncie, Ind.

YOUNG, JOSEPH WITHAM, B.S., *Cornell*.....(Mhtn) New York City
ZINSSER, HANS WILLIAM, A.B., *Columbia*.....Lake Mohegan, N. Y.
Third Year Class.....179

## SECOND YEAR CLASS

ADAMS, ROBERT ALBERT, A.B., *N. Y. City College*.....(Mhtn) New York City
ALEXANDER, GEORGE MORTIMER.....(Mhtn) New York City
ALLEN, ALBERT HENRY, Ph.B., *Emory College*.....Columbus, Ga.
ALLEN, BENJAMIN GILL, A.B., *Trinity College*.....Bobbitt, N. C.
ALLERS, CHARLES LAWRENCE.....(R) New York City
ARMINGTON, HERBERT HAMLIN, A.B., *Brown*.....Providence, R. I.
ARONSON, LOUIS SIMON.....(Mhtn) New York City
ASSENHEIMER, EDWARD MINTURN.....(Mhtn) New York City
AVERY, OSWALD THEODORE, A.B., *Colgate*.....(Mhtn) New York City
BANDLER, CLARENCE GARFIELD.....(Mhtn) New York City
BANDLER, MAURICE EDWARD.....(Mhtn) New York City
BANISTER, ROBERT LOUIS.....Newark, N. J.
BARNERT, CYRIL.....Paterson, N. J.
BARTRUM, WILLIAM C.....Newburgh, N. Y.
BELL, ALLISTER MACDONALD, A.B., *Yale*.....Orange, N. J.
BIEGELEISEN, JOSEPH ZACHARY.....(Mhtn) New York City
BLACK, MICHAEL FRANCIS, A.B., *Williams*.....Williamstown, Mass.
BLANCARD, WILLIAM.....(Mhtn) New York City
BLAUNER, SAMUEL, B.S., *N. Y. City College*.....(Mhtn) New York City
BOESE, WILLIAM HENRY, A.B., *Columbia*.....(Mhtn) New York City
BONDY, JULIUS.....Hartford, Conn.
BOPP, WALTER FREDRICH, A.B., *N. Y. City College*.....(Mhtn) New York City
BOWMAN, JAMES FLOYD, A.B., *Columbia*.....Montclair, N. J.
BRAND, ADOLPH.....(Mhtn) New York City
BRANOWER, WILLIAM.....(Mhtn) New York City
BREED, ROBERT HUNTINGTON.....Cornwall, N. Y.
BURROWS, WATERS FIELD, A.B., *Columbia*.....Elizabeth, N. J.
BYRD, FRANCIS OTWAY, A.B., *Harvard*.....(Mhtn) New York City
CARTER, ROBERT WILLIAM, A.B., *Princeton*.....Montclair, N. J.
CHERRY, THOMAS HARRIS.....(Mhtn) New York City
CHESSMAN, FRANK NEWHALL.....Helena, Mont.
CLARK, WILLIAM IRVING, Jr., A.B., *Columbia*.....(Mhtn) New York City
CLEGHORN, CHARLES DALTON, B.S., *Princeton*.....Manchester, Vt.
COERR, FREDERIC DAN HUNTINGTON, A.B., *Columbia*.....(Mhtn) New York City
COHN, ALFRED EINSTEIN, A.B., *Columbia*.....(Mhtn) New York City
COMMISKEY, LEO JOHN JOSEPH.....(Bklyn) New York City
COOK, EDWARD, A.B., *Harvard*.....(Mhtn) New York City
COOKE, ROBERT ANDERSON, A.B., *Rutgers*.....New Brunswick, N. J.
COWAN, ALBERT, Ph.B., Ph.D., *Rome, Italy*.....(Mhtn) New York City
CRAIG, HENRY AUGUSTUS.....New Germantown, N. J.
CRAMP, WALTER CONCEMORE, A.B., *Colgate*.....(Mhtn) New York City
CUSSLER, EDWARD.....Catskill, N. Y.
DATTELBAUM, MORRIS JACOB.....(Bklyn) New York City
DAVIDSON, ISIDOR, A.B., *N. Y. City College*.....(Mhtn) New York City
DEKOVEN, BERNARD.....(Mhtn) New York City
DIEFFENBACH, RICHARD HAGEN.....Newark, N. J.
DINGMAN, JOHN CLARENCE.....Spring Valley, N. Y.
DINGMAN, THOMAS ALVA.....Spring Valley, N. Y.
DOLPHIN, BENJAMIN EDWARD.....(Mhtn) New York City
DUCKETT, WARREN JAMES.....Skaneateles, N. Y.
DUDLEY, BENJAMIN WILLIAM.....Lexington, Ky.
DUNCAN, OWSLEY BENNETT.....Paterson, N. J.
EASTMOND, CHARLES, A.B., *Columbia*.....(Bklyn) New York City

EICHHORN, HERMAN, B.S., *N. Y. City College*.....(Mhtn) New York City
EYTINGE, ERNEST OLIVER JOSEPH.....(Mhtn) New York City
FASSETT, EDWIN CHARLES.....Kingston, N. Y.
FICHTER, LOUIS.....(Mhtn) New York City
FINKELSTEIN, HARRY.....(Mhtn) New York City
FLAKS, ARY, *University of Moscow*.....(Mhtn) New York City
FLATTO, ISADORE.....(Mhtn) New York City
FLYNN, DAVID JOSEPH, A.B., *Georgetown University*.....Boston, Mass.
FREEMAN, JAMES VOORHEES, Jr., A.B., *Harvard*.....Sewaren, N. J.
FREY, DAVID INGHAM.....(Mhtn) New York City
FRUCHT, SIMON.....(Mhtn) New York City
GAIN, JOHN CAMERON.....Toronto, Canada
GAUDINEER, EDWARD HARRIS.....Maplewood, N. J.
GELLERT, SAMUEL.....(Mhtn) New York City
GHIGLIONE, AUGUST JOSEPH.....(R) New York City
GLANZ, HYMAN, A.B., *N. Y. City College*.....(Mhtn) New York City
GOLDSTONE, KARL HAROLD.....(Mhtn) New York City
GRAHAM, CLARENCE MINTURN.....Poughkeepsie, N. Y.
GRAHAM, HENRY FLACK.....Albany, N. Y.
GREENWAY, JAMES COWAN, A.B., *Yale*.....Hot Springs, Ark.
GRUSSNER, ALBERT.....(Mhtn) New York City
GUTHERSON, WILLIAM FRANCIS, B.S., *New York University*.....Paterson, N. J.
HALE, GORDON DYER, Ph.B., *Brown*.....Providence, R. I.
HAMILL, PATRICK JOSEPH PAUL, A.B., A.M., *St. Peter's College*.....Jersey City, N. J.
HANCE, JOSEPH CAMPBELL.....New Philadelphia, Ohio
HARDENBERG, DANIEL SAYRE, Jr.....Jersey City, N. J.
HARRIS, BURTON SEYMOUR.....Westfield, N. J.
HART, ALFRED JOHN.....(Mhtn) New York City
HASTIE, JOHN DEARBORN, A.B., *University of Nebraska*.....Kemmerer, Wyo.
HENNEN, WILLIAM DAVISON.....(Mhtn) New York City
HENNESEY, JAMES FRANCIS.....Garfield, N. J.
HIBLER, GEORGE HUNT.....Morristown, N. J.
HOLMES, CLARENCE ALBERT, B.S., *New York University*.....(Br) New York City
HOLTHAUSEN, WILLIAM FREDERICK.....(Bklyn) New York City
HOOD, PHILIP GARFIELD.....Newark, N. J.
HOOKER, HARRY LYMAN.....(Mhtn) New York City
HOROWITZ, BENJAMIN, A.B., *N. Y. City College*.....(Mhtn) New York City
HOROWITZ, PHILIP.....(Mhtn) New York City
HULL, ALLEN.....(Bklyn) New York City
HULL, EDWARD TAYLOR, B.S., *Boston University*.....Southport, Conn.
HUSSEY, FREDERIC VINAL, Ph.B., *Brown*.....Franklin, Mass.
ISON, VIRGIL STROTHER.....Baker City, Ore.
JACOBS, LOUIS.....(Mhtn) New York City
JARCHO, JULIUS.....(Mhtn) New York City
JEFFREY, STEWART LEE.....(Mhtn) New York City
KATZ, DAVID.....(Mhtn) New York City
KEEGAN, THOMAS DANIEL.....Jersey City, N. J.
KIMBALL, CLEAVELAND CADY, A.B., *Amherst*.....(Mhtn) New York City
KRESHOVER, JACOB SIEGFRIED.....(Mhtn) New York City
KROENER, GEORGE ARCHER.....Long Branch, N. J.
KUDLICH, HANS EDGAR, A.B., *N. Y. City College*.....(Mhtn) New York City
LATHROP, HAROLD WILKINSON.....Livingston Manor, N. Y.
LATHROPE, GEORGE HAINES, A.B., *Princeton*.....Scranton, Pa.
LATTA, JEFFERSON BROWN.....Friendship, N. Y.
LEAVITT, EMANUEL JOSEPH.....(Mhtn) New York City
LEGGETT, NOEL BLEECKER.....(R) New York City
LEVY, JULIUS.....Newark, N. J.
LITTELL, ELTON GARDINER, A.B., *Trinity*.....(Mhtn) New York City

LOHMAN, WILLIAM HENRY.....(Bklyn) New York City
LONG, JAMES MCMASTER, A.B., *Yale*.....Pittsburg, Pa.
LORENZO, FRANK ALEXANDER.....Punxsutawney, Pa.
MCBRIDE, DAVID ALLEN.....Plattsburgh, N. Y.
MCNENNEY, CLAUDE EMMET, A.B., *St. Peter's College*.....Jersey City, N. J.
MCSHEEHY, MORGAN THOMAS, A.B., *Holy Cross*.....Whitinsville, Mass.
MACDONALD, ARTHUR FRANCIS.....Waterbury, Conn.
MALCOLM, JOSEPH DOUGLAS.....(Mhtn) New York City
MARTIN, THOMAS.....Branford, Conn.
MASON, HOWARD HARRIS, A.B., *Brown*.....Providence, R. I.
MASON, WOODRUFF, B.S., *New Hampshire State College*.....(Mhtn) New York City
MEHLER, GEORGE JOHN.....(Mhtn) New York City
MEYER, GUY HERBERT.....Paris, Texas
MEYER, JULIAN JACQUES, A.B., *N. Y. City College*.....(Mhtn) New York City
MINER, LUCIEN LUTTRELL.....(Mhtn) New York City
MITTENDORF, ALFRED DERBY, A.B., *Princeton*.....(Mhtn) New York City
MOELLER, HENRY NICHOLAS.....(Mhtn) New York City
MOFFIT, ALBERT ROWCLIFFE, A.B., *Williams*.....Princeville, Ill.
MOORHEAD, ROBERT LOWRY, Jr.....(Bklyn) New York City
MORSCH, HENRY WILLIAM.....(Bklyn) New York City
MURPHY, EDWARD JOHN, A.B., *Holy Cross*.....(Bklyn) New York City
MYRES, MAGNUS JACOB.....(Mhtn) New York City
NEEF, FREDERICK EMIL, B.S., B.L., M.L., *Notre Dame University*.....Springfield, Ill.
NEWMAN, CHARLES AUGUSTUS, A.B., *N. Y. City College*.....(Mhtn) New York City
NOBLE, URBANE ALEXANDER.....(Mhtn) New York City
O'CONNOR, JOHN CHARLES.....Rochester, N. Y.
O'CROWLEY, CLARENCE RUTHERFORD.....Newark, N. J.
OLCOTT, GEORGE POTTS, Jr.....East Orange, N. J.
O'LEARY, WILLIAM JOSEPH.....Canandaigua, N. Y.
PADDOCK, BRACE WHITMAN, A.B., *Yale*.....Pittsfield, Mass.
PETERS, JOHN DODGE, A.B., *Yale*.....Great Barrington, Mass.
PENTZ, JAMES BOLTON.....(R) New York City
PILLOW, JAMES HARGRAVES, A.B., *University of Virginia*.....Helena, Ark.
PINCUS, WILLIAM.....(Bklyn) New York City
PRETTYMAN, VIRGIL, A.B., A.M., *Dickinson*.....Yonkers, N. Y.
QUINN, CHARLES MICHAEL.....Milwaukee, Wis.
RINGER, PAUL HENRY, A.B., *Columbia*.....(Mhtn) New York City
ROBINSON, ROBERT CORNELIUS, Ph.B., *Brown*.....Providence, R. I.
ROSE, JULIUS TOWNSEND.....Stephentown, N. Y.
ROSS, EDWARD KINGSBURY, Ph.G., *New York College of Pharmacy*.....Hoboken, N. J.
ROSS, WILLIAM HOLMES.....(Bklyn) New York City
SARTORI, ANTONIO JOSEPH.....(Mhtn) New York City
SAUNDERS, TRUMAN LAURENCE, A.B., *Williams*.....(Mhtn) New York City
SCHENCK, GEORGE HENRY, Ph.B., *Lafayette*.....East Hampton, N. Y.
SCHLIVEK, KAUFMAN, B.S., *N. Y. City College*.....(Mhtn) New York City
SCHÜCK, TRAUGOTT JOHN.....Hoboken, N. J.
SHERMAN, ARTHUR LEIGHTON, A.B., *Yale*.....Castleton, Vt.
SHULTZ, MARTIN ELLIOT.....Punta Rassa, Fla.
SILLIMAN, JOHN CALVIN, A.B., *University of Virginia*.....Palestine, Texas
SLACK, JOSEPH DANIEL.....Litchfield, Conn.
SMITH, ELLSWORTH JOHNSON, Ph.B., *Yale*.....North Haven, Conn.
SMITH, MALCOLM EADIE.....(Bklyn) New York City
SNYDER, HENRY.....Newark, N. J.
SPRAGUE, CHARLES HARRY.....Peterboro, N. H.
STEVENS, CAROL TEFFT, B.S., *Iowa State College*.....New Rochelle, N. Y.
STEWART, VERNON CHAMPNEY, A.B., *Columbia*.....(Mhtn) New York City
STILLMAN, CHARLES KIRTLAND, Ph.B., *Brown*.....Mystic, Conn.
SUMNER, JOHN TRUE, A.B., *University of Nebraska*.....Omaha, Neb.

Sussman, Philip.....(Mhtn) New York City
Tallmadge, William Henry, Jr.....Stamford, Conn.
Talmage, John Beekman, Jr.....(Mhtn) New York City
Taschman, Max, A.B., *N. Y. City College*.....(Mhtn) New York City
Thomas, Joseph Simon, A.B., *Princeton*.....Dunellen, N. J.
Thomas, Merrick Dowdell, B.S., *Alabama Polytechnic Institute*.....Gold Hill, Ala.
Vanamee, Talcott Ostrom, A.B., *Hamilton*.....Newburgh, N. Y.
Vandenberg, Joseph.....(Mhtn) New York City
Vander Veer, Albert, Jr., A.B., *Yale*.....Albany, N. Y.
Vaughan, Harold Stearns, D.D.S., *Univ. of Penn.*.....(Mhtn) New York City
Wainwright, John Maxon Brown.....Brielle, N. J.
Walser, Carl William.....(R) New York City
Ward, Albert H.....Paterson, N. J.
Ward, Edwin St. John, A.B., *Amherst*.....Amherst, Mass.
Ward, Ralph Francis.....(Mhtn) New York City
Ward, Wilbur, A.B., *Williams*.....Bloomfield, N. J.
Waterman, William Whitney.....Greenwich, Conn.
Weinstock, Louis.....(Mhtn) New York City
Wheeler, James Alexander.....Skaneateles, N. Y.
Whiton, Walter Humstone.....(Bklyn) New York City
Wiener, Sol, A.B., *N. Y. City College*.....(Mhtn) New York City
Wilson, Frederic Hart.....(Bklyn) New York City
Wise, Fred.....(Mhtn) New York City
Wise, Lester Drummond.....(Bklyn) New York City
Woodruff, Isaac Ogden, Jr., A.B., *N. Y. City College*.....(Mhtn) New York City
Woodson, Charles Whitehead, A.B., *Columbia*.....Salisbury, N. C.
Wynne, Shirley Wilmote.....(Mhtn) New York City
York, Harry Jacob, B.S., *Pennsylvania State College*.....Warriorsmark, Pa.
Zelenko, David.....(Bklyn) New York City

Second Year Class..... 198

FIRST YEAR CLASS

Abrams, Samuel Doughty.....Inwood, N. Y.
Abrons, Harry.....(Mhtn) New York City
Agostini, Victoriano Diego y Godoy, A.B., *Provincial Institute, Santiago*, Santiago, Cuba
Armstrong, Edgar Bond.....Paterson, N. J.
Auchincloss, Hugh, A.B., *Yale*.....(Mhtn) New York City
Ball, Charles Edward Augustine.....South Orange, N. J.
Barker, Perceval Martin.....(Mhtn) New York City
Barrett, Frederick James.....(Bklyn) New York City
Bartlett, Frederic Huntington, A.B., *Harvard*; A.M., *Columbia*, Fayetteville, N. Y.
Bartlett, Lawrence Stewart, A.B., *Princeton*.....New Richmond, Wis.
Baumgard, Hans George, B.S., *New York University*.....(Mhtn) New York City
Bennett, John Albert.....(Mhtn) New York City
Bernstein, Luis Phillandus, B.S., *N. Y. City College*.....(Mhtn) New York City
Black, Ross Eliott.....Huntingdon, Penn.
Bockshitzky, Benjamin Joseph.....(Mhtn) New York City
Bonynge, Henry Arthur, Jr.....Hoboken, N. J.
Boswell, John Arthur.....Amsterdam, N. Y.
Bourke, John Francis.....(Mhtn) New York City
Boyd, Carlisle Storm.....(Br) New York City
Boyd, William Ballantine, B.S., *N. Y. City College*.....(Mhtn) New York City
Brady, John Stanislaus, A.B., *Georgetown University*.....(Mhtn) New York City
Brancato, Peter.....(Mhtn) New York City
Braun, Jacob.....(Mhtn) New York City
Brody, Henry Weston.....(Mhtn) New York City

BROWN, ROBERT MERIDA, A.B., *Harvard*.....Lamar, Mo.
BRUN, EDWARD ANTHONY, B.S., *Seton Hall College*.....Caracas, Venezuela
BRUNING, HENRY FREDERICK.....(Bklyn) New York City
BRYANT, MASON DAVID.....Lowell, Mass.
BUNIMOWITZ, ELLIS.....(Mhtn) New York City
CANTO, YSIDRO HERRERA, B.S., *Boston University*.....Yucatan, Mexico
CHAMBERLAIN, AMIS READING, A.B., *Yale*.....Warwick, N. Y.
CHILDS, JOHN HENRY.....Paterson, N. J.
CLARKE, LOUIS VINCENT.....Pawtucket, R. I.
COHEN, HARRY ERON.....(Br) New York City
COHEN, HERMAN.....(Br) New York City
COHEN, LOUIS.....(Bklyn) New York City
CONLON, PATRICK JOSEPH, A.B., *Holy Cross*.....Worcester, Mass.
CORCORAN, DAVID.....Thompson Ridge, N. Y.
CORDNER, ROBERT, Ph.G., *N. Y. College of Pharmacy*.....Middletown, N. Y.
COTTLE, GEORGE FRANKLIN, B.S., *N. Y. City College*.....(Mhtn) New York City
CRONIN, EUGENE JOHN.....Worcester, Mass.
DALY, ALBERT.....Bayonne, N. J.
DAVID, CHARLES THOMAS.....(Mhtn) New York City
DAY, HOMER LELAND, A.B., *Leland Stanford, Jr., University*.....San Francisco, Cal.
DEKLYN, CHARLES CAMPBELL.....(Mhtn) New York City
DEROW, DAVID.....(Mhtn) New York City
DETWILLER, ALBERT KNECHT, Ph.B., *Lafayette*.....Easton, Penn.
DICKINSON, FRANCIS MCLEAN, Ph.B., *Yale*.....Rockville, Conn.
DODD, SAMUEL WARD, B.S., *Princeton*.....Newark, N. J.
DONOHUE, LEO THOMAS.....Paterson, N. J.
DRISCOLL, GEORGE CORNELIUS.....Stanley, N. Y.
DROSIN, LOUIS.....(Mhtn) New York City
DUGRO, FRANK ANTHONY.....(Bklyn) New York City
DUNAIF, GEORGE.....(Bklyn) New York City
DWIGHT, KIRBY, A.B., *Princeton*.....(Mhtn) New York City
ELLIS, RUDOLPH PELL, B.S., *N. Y. City College*.....Ridgewood, N. J.
EMORY, GEORGE BACHE, A.B., *Harvard*.....Syracuse, N. Y.
FEELY, WILLIAM H. P.....(Bklyn) New York City
FEIGENOFF, ISRAEL.....(Mhtn) New York City
FIASCHI, PIERO.....Sydney, Australia
FRIEDMAN, HENRY MENDEL.....(Mhtn) New York City
FRIEDMANN, JOSEPH.....Paterson, N. J.
FRITTS, HERBERT HAROLD, A.B., *Oberlin*.....Bradford, Pa.
FRUCHTHANDLER, EDWARD ALFRED.....(Mhtn) New York City
GASKINS, JOHN DARBY.....Starke, Fla.
GEYSER, FRANK BAUSE.....(Br) New York City
GLEASON, HORATIO STILWELL.....Buffalo, N. Y.
GOLDFARB, SAMUEL JESSE.....(Mhtn) New York City
GREENSTEIN, MAURICE JACOB.....Bridgeport, Conn.
GUSSINKLO, WILLIAM E.....(Mhtn) New York City
HAGEN, ORVILLE REED.....Troy, N. Y.
HAMBURGER, GABRIEL, A.B., *N. Y. City College*.....(Mhtn) New York City
HAMILTON, SAMUEL, Jr., A.B., *Princeton*.....Pittsburgh, Pa.
HAMILTON, WALTER FRANK VINCENT, Jr.....North Plainfield, N. J.
HARBECK, CHARLES JOHN, A.B., *Harvard*.....(Mhtn) New York City
HARRIGAN, ANTHONY HART.....(Bklyn) New York City
HARRINGTON, THOMAS FRANCIS.....(Mhtn) New York City
HARRIS, LOUIS ISRAEL.....(Mhtn) New York City
HART, FRANCIS BERNARD.....Passaic, N. J.
HARWICH, MOSES.....(Mhtn) New York City
HAVILAND, DAVID.....(Mhtn) New York City
HEIMANN, WALTER JAMES, A.B., *Columbia*.....(Mhtn) New York City

HEIN, THEODORE LEACRAFT.....(Mhtn) New York City
HEINE, JOSEPH.....(Mhtn) New York City
HENRIQUEZ, RICHARD ANTHONY.....(Mhtn) New York City
HENSSLER, FREDERICK MARCUS.....(Mhtn) New York City
HILLENBRAND, FREDERICK LOUIS.....(Mhtn) New York City
HITLIN, ALEXANDER.....(Bklyn) New York City
HOEFLING, GUSTAVE CHRISTOPH.....(Mhtn) New York City
HOFF, HOWARD CROSBY.....(Mhtn) New York City
HOHNHOLZ, MARTIN ERNEST.....(Mhtn) New York City
HOWE, ALLYN EVERETT.....(Bklyn) New York City
HUNT, CHARLES SPALDING.....Brooklyn, Conn.
HUTCHESON, ALLEN CARRINGTON, A.B., *University of Virginia*.....Houston, Texas
HUTCHINSON, ROBERT HAMILTON, Jr.....(Mhtn) New York City
HUTTON, ARTHUR LEFFERTS.....(Mhtn) New York City
HYAMS, JOSEPH ANDREW.....(Mhtn) New York City
HYMAN, ABRAHAM.....(Mhtn) New York City
HYMAN, DAVID ELLIOTT.....(Mhtn) New York City
ISKOWITZ, HENRY.....(Mhtn) New York City
JACKSON, ALBERT F.....Campgaw, N. J.
JAFFIN, ABRAHAM EZRA.....Jersey City, N. J.
JAMESON, JAMES WALKER, A.B., *Princeton*.....Antrim, N. H.
JANÉ, ALBERT CHRISTOPHER, A.B., *Provincial Institute, Santiago*...Guantanamo, Cuba
JOHNSTON, CALDER,.....(Bklyn) New York City
JOHNSTON, MARIUS EARLY, B.S., M.S., *Kentucky State College*.....Lexington, Ky.
JOYCE, EDWARD RAPHAEL, A.B., *Holy Cross College*.....Lewiston, Me.
KAEMPFER, LOUIS GABRIEL, B.S., *N. Y. City College*.....(Mhtn) New York City
KALISKI, DAVID JOHN.....(Mhtn) New York City
KAUNITZ, JULIUS.....(Mhtn) New York City
KELLER, JACOB ADLAI.....(Mhtn) New York City
KELLER, SIDNEY CLARENCE.....Newark, N. J.
KENNARD, WILLIAM SORRENTO.....Newark, N. J.
KENNEDY, JOHN LEONIDAS, Jr.....(Mhtn) New York City
KEUNE, HARRY.....(Mhtn) New York City
KISSLING, LOUIS AUGUST.....(Mhtn) New York City
KOFF, JAMES JESSAI.....(Mhtn) New York City
KOHN, BERNARD.....(Mhtn) New York City
KUPPERMAN, ISAAC.....(Mhtn) New York City
KURPICK, CONRAD FREDERICK, A.B., *St. Peter's College*.....Paterson, N. J.
KUTSCHER, MARTIN.....(R) New York City.
LA FRANCE, GERSHOM BERTENE.....Wyoming, Pa.
LESLIE, CHARLES THOMAS, B.S., *Massachusetts Agricultural College*
(Bklyn) New York City
LEVANT, HARRY LAZAROUS.....(Mhtn) New York City
LEVIN, CHARLES.....(Mhtn) New York City
LEVY, HARRY, A.B., *University of Alabama*.....Johns, Ala.
LEVY, JACOB.....(Mhtn) New York City
LEVY, MAX A.....(Mhtn) New York City
LEWIN, FRANK SPALDING.....(Bklyn) New York City
LEWIS, MURNEY EDWARD.....Voleny, N. Y.
LINDSAY, GORDON, B.S., *Columbia;* Ph.G., *N. Y. College of Pharmacy*,
(Mhtn) New York City
LIPSCHUTZ, JACOB M.....(Mhtn) New York City
MCCORMACK, WILLIAM GOULDING, Jr.....(Mhtn) New York City
MCCOY, THOMAS CRESAP.....Kirkwood, Del.
MCCROSKERY, JAMES HARRY.....Union, N. J.
MCDERMOTT, JOSEPH ZIMMERMANN.....Freehold, N. J.
MABEY, J. CORWIN.....Montclair, N. J.
MACK, EDWARD LE ROY.....Elizabeth, N. J.

MAPES, CLIVE SPENCER.....(Mhtn) New York City
MARGULIES, ALBERT CARLYLE.....(Bklyn) New York City
MARTIN, NATHAN BARNERT.....Paterson, N. J.
MARTLAND, HARRISON STANFORD, A.B., *Western Maryland College*.....Newark, N. J.
MEINZER, MARTIN STOETZEL, B.S., *Rutgers*.....South Amboy, N. J.
MELONEY, LESTER FOYE.....Clifton, N. J.
MERGENTIME, GUSTAV.....(Mhtn) New York City
MERRILL, GEORGE ADAMS, A.B., *N. Y. City College*.....(Mhtn) New York City
MERRIMAN, MERRITT HEMINWAY, A.B., *Yale*.....Watertown, Conn.
MEYER, HARRY AHREND.....(Mhtn) New York City
MOGULESKO, JULIUS LAURENCE.....(Mhtn) New York City
MOUNT, WALTER BARCLAY, A.B., *Princeton*.....East Orange, N. J.
MURPHY, FRANK PATRICK.....North Tarrytown, N. Y.
MYERS, PERCY HOWELL, A.B., *Richmond College*.....Savannah, Ga.
NACHUMSON, DAVID BENJAMIN, A.B., *N. Y. City College*.....(Mhtn) New York City
NARINS, WILLIAM.....(Mhtn) New York City
NEER, FRANK YEOMANS.....Paterson, N. J.
NELSON, JOHN FRANCIS.....(Mhtn) New York City
NEMOITIN, JACOB.....(Mhtn) New York City
NEUHOF, HAROLD.....(Mhtn) New York City
NEUWELT, LOUIS, A.B., *N. Y. City College*.....(Mhtn) New York City
NEWMAN, REUBEN.....(Mhtn) New York City
NICOLL, WALLACE.....(Mhtn) New York City
NISSELSON, MAX.....(Mhtn) New York City
NOEHREN, ALFRED HENRY, A.B., *N. Y. City College*.....(Mhtn) New York City
O'BRIEN, JOSEPH LEO.....(Mhtn) New York City
ORLANDO, JAMES.....(Mhtn) New York City
PARKER, LEO AMBROSE, A.B., *Rock Hill College*.....Portsmouth, Va.
PECKHAM, CHARLES PARSONS.....Newark, N. J.
PETTIT, ROBERT WALTER, A.B., *Rutgers;* A.M., *Yale*.....New Brunswick, N. J.
POLLARD, JOHN JOSEPH, A.B., *St. Peter's College*.....Paterson, N. J.
PORTER, JOSEPH YATES, Jr.....Key West, Fla.
POWERS, MARTIN THOMAS.....Oxford, N. Y.
PRESCOTT, CHARLES IRVILLE, B.L., *Dartmouth*.....Meredith, N. H.
PUMYEA, P. CLINTON, B.S., *Princeton*.....Allentown, N. J.
PUTNAM, EDMUND WHITMAN.....(Mhtn) New York City
RABINOVITZ, DAVID.....(R) New York City
RADJIK, BENJAMIN, B.S., *N. Y. City College*.....(Bklyn) New York City
REEVE, HENRY MEEKER, A.B., *Princeton*.....Newark, N J.
RICKETTS, HENRY ERNEST.....Poughkeepsie, N. Y.
ROBERTS, FREDERICK WILLIAM, A.B., *University of Vermont;* B.D., *Episcopal Theological School, Cambridge, Mass*.....(Mhtn) New York City
ROMANO, SALVATORE CRISENZA.....(Mhtn) New York City
ROSENBERG, ABRAHAM.....(Mhtn) New York City
ROSENHECK, CHARLES.....(Mhtn) New York City
ROSENSTEIN, HENRY.....(Mhtn) New York City
RUBIN, ISIDORE.....(Mhtn) New York City
RUSSELL, CHARLES EDMUND LUSK.....(Mhtn) New York City
RUSSELL, DAVID LEWIS.....Jersey City, N. J.
RYAN, SYLVESTER EDWARD.....Springfield, Mass.
ST. JOHN, WARREN WALLACE.....Centre Brunswick, N. Y.
SANDERS, GEORGE, LL.M., *New York University*.....(Mhtn) New York City
SCANLON, TIMOTHY ADDISON.....Hartford, Conn.
SCHAEFER, EUGENE PAUL.....Newark, N. J.
SCHAPIRO, JOSEPH, B.S., *N. Y. City College*.....(Mhtn) New York City
SCHAYER, MAX.....(Mhtn) New York City
SCHULMAN, MAXIMILIAN.....(Bklyn) New York City
SCHUR, CARL, Jr.....(Mhtn) New York City

SCHWARTZ, DAVID BARNETTE.....(Bklyn) New York City
SCHWARTZ, MYER EASER.....(Mhtn) New York City
SEROTA, HARRY MOSES.....(Mhtn) New York City
SEVERSON, IRWIN WINT.....Pittston, Pa.
SGIER, MARTIN JOSEPH.....(Bklyn) New York City
SHAPIRO, ABRAHAM ISADORE.....Yonkers, N. Y.
SHEEHAN, WILLIAM JOSEPH.....Norwalk, Conn.
SHENSTONE, NORMAN STRAHAN, A.B., *Toronto University*.....Toronto, Ont., Canada
SHUGERMAN, HARRY PHILIP, A.B., *Harvard College*.....Birmingham, Ala.
SINGER, DAVID.....(Mhtn) New York City
SMITH, FLORENTINE ROLLAND.....Jersey City, N. J.
SMITH, GEORGE MILTON, A.B., *Yale*.....(Mhtn) New York City
SMITH, JOSEPH JACOB.....Hudson, N. Y.
SMITH, MALCOLM KINMOUTH.....Morristown, N. J.
SMITH, STAFFORD BAKER.....Hyannis, Mass.
SMITH, WILLIAM SIDNEY.....Yaphank, N. Y.
SODEN, GEORGE ARTHUR.....Newark, N. J.
SOLLEY, FRANK DEMMING.....Bethel, Conn.
SPECTOR, ISAAC.....(Mhtn) New York City
SPEKTORSKY, MAXWELL.....(Mhtn) New York City
STARR, ISAAC PHILIP.....(Mhtn) New York City
STEVENS, HARRY HARRINGTON, Bh.G., *N. Y. College of Pharmacy*.....Yonkers, N. Y.
STONE, CHARLES CLEMENTS, A.B., *University of Rochester*.....Rochester, N. Y.
SULLIVAN, MARK DUNKLIN, Ph.G., *Maryland College of Pharmacy*.....Pelzer, S. C.
SWIFT, MILNE BARKER.....Fall River, Mass.
TAYLOR, CARLE DUDLEY.....(Mhtn) New York City
TERRY, WALTER RAYMOND, A.B., *Wesleyan*.....Patchogue, N. Y.
THOMPSON, GEORGE HENRY, Jr.....(Mhtn) New York City
TIFFANY, WILLIAM JAMES.....Richford, N. Y.
TITSWORTH, SYDNEY ROSS, B.S., *Alfred University*.....Plainfield, N. J.
TOWNSHEND, RAYNHAM, Ph.B., *Yale*.....New Haven, Conn.
TRADER, FRANK LAWRENCE, Jr.....Elizabeth, N. J.
TULIPAN, LOUIS.....(Mhtn) New York City
UNGER, HENRY HERMAN, A.B., *N. Y. City College*.....(Mhtn) New York City
VAIL, ROBERT WILLIAM.....(Mhtn) New York City
VALENTINE, JULIUS JOHN.....(Mhtn) New York City
VAN AUKEN, HARRY CHADWICK, Jr.....(Mhtn) New York City
VAUGHAN, JOHN COLIN.....Newark, N. J.
VEVE, JOHN, A.B., *Porto Rico*.....(Mhtn) New York City
VILLOLDO, PEDRO.....Havana, Cuba
VOLK, MAX.....(Mhtn) New York City
VOORHEES, IRVING WILSON, B.S., *Princeton*.....Griggstown, N. J.
WALLIN, CHARLES THEODORE.....Gilbertsville, N. Y.
WERTHEIM, LEO.....(Bklyn) New York City
WHITE, DAVENPORT, Ph.B., *Yale*.....Cannon, Conn.
WHITE, ROBERT POTTS.....Jersey City, N. J.
WILLIAMS, GEORGE ALESBURY.....Summit, N. J
WILLIAMS, JAMES JEREMIAH, Jr.....(Mhtn) New York City
WILLSON, PRENTISS.....Washington, D. C.
WILSON, JOHN ROBERT.....Hoosick Falls, N. Y.
WISANSKY, JACOB, B.S., *N. Y. City College*.....(Mhtn) New York City
WOLF, JACOB IRVING, B.S., *N. Y. City College*.....(Mhtn) New York City
WOOLLEY, JAMES STANLEY, B.S., *New York University*.....(Mhtn) New York City
WRIGHT, HAROLD WALGROVE.....Elizabeth, N. J.
YNZUA, EDUARDO Y CAUTINO.....Guayama, Porto Rico
YOUNG, WELLINGTON GEORGE, A.B., *Princeton*.....(Bklyn) New York City
ZEILER, AVRUM HERMAN.....Leadville, Colo.
ZIEGLER, MAX.....(Mhtn) New York City

First Year Class..... 253

## SPECIAL STUDENTS

Bogaley, Poneu, M. D., *Harvard University*.....Bassein, Burma
Caples, Byron H.....(Mhtn) New York City
Cooke, Joseph Brown, M.D., *Columbia*.....(Mhtn) New York City
Crudden, Francis.....Stamford, Conn.
Daly, Warren Cox, A.B., *University of Rochester*.....Rochester, N. Y.
Dean, John Henry.....Waco, Texas
Ecclesime, Joseph Jasper.....(Mhtn) New York City
Frank, Ben Fulton, M.D., *Kentucky School of Medicine*.....Paris, Ky.
Frankel, Edward, Jr.....(Mhtn) New York City
Haddock, Stanley Brickett, Jr.....(Mhtn) New York City
Jackson, Frederick William, M.D., *L. I. College Hosp*.....Stamford, Conn.
Klemann, George Francis.....(Mhtn) New York City
Levine, Morris.....(Mhtn) New York City
McLean, George Davidson, Ph.B., *Univ. of Miss*.....Winona, Miss.
Miller, William Whitfield, M.D., *University of Virginia*.....Memphis, Tenn.
Narwood, Holmes Montgomery.....(Mhtn) New York City
Roberts, Charles Frederick, M.D., *Columbia*.....Center Sandwich, N. H.
Rosenthal, Joseph.....(Mhtn) New York City
Slamovitz, James.....(Mhtn) New York City
Stein, Meyer William.....(Mhtn) New York City
Strange, Robert George.....(Mhtn) New York City
Zlinkoff, Joseph.....(Mhtn) New York City
Special Students..... 22

## SUMMARY

| | |
|---|---|
| Fourth Year Class | 148 |
| Third Year Class | 179 |
| Second Year Class | 198 |
| First Year Class | 253 |
| Special Students | 22 |
| Students primarily registered under this faculty | 800 |
| Students from other faculties of the University: | |
| Seniors of the College | 10 |
| Total | 810 |

# SCHOOL OF MINES
# SCHOOL OF CHEMISTRY
# SCHOOL OF ENGINEERING
# SCHOOL OF ARCHITECTURE

UNDER THE DIRECTION OF THE FACULTY OF APPLIED SCIENCE

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The following departments are represented in the Faculty:

ARCHITECTURE
ASTRONOMY
CHEMISTRY
CIVIL ENGINEERING
ELECTRICAL ENGINEERING
MECHANICAL ENGINEERING
SANIARY ENGINEERING
GEOLOGY
MATHEMATICS
MECHANICS
METALLURGY
MINERALOGY
MINING
PHYICS

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### Officers of the Faculty

FREDERICK R. HUTTON, C.E., Ph.D. . . *Dean of the Faculty, and Ex-Officio Member of the University Council*
ROBERT PEELE, E.M. . . . . *Secretary of the Faculty*
HENRZ S. MUNROE, E.M., Ph.D., *Elected Delegate to the University Council*

### Standing Committees

COMMITTEE ON ADMINISTRATION: Professors Hutton, Van Amringe, Crocker, Hamlin, Howe

COMMITTEE ON ADMISSIONS AND EXAMINATIONS: Professors Hutton, Sherman, Kemp

### The Faculty

NICHOLAS MURRAY BUTLER, LL.D., *Acting-President*
CHARLES F. CHANDLER, Ph.D., M.D., LL.D., Sc.D. . . . . *Professor of Chemistry*
J. HOWARD VAN AMRINGE, Ph.D., L.H.D., LL.D., . . . . . *Professor of Mathematics*
OGDEN N. ROOD, A.M., LL.D. . . . . *Professor of Physics*
HENRY S. MUNROE, E.M., Ph.D. . . . . *Professor of Mining*

WILLIAM R. WARE, B.S., LL.D.....*Professor of Architecture*
FREDERICK R. HUTTON, C.E., Ph.D.....*Professor of Mechanical Engineering and Dean of the Faculty*
JOHN KROM REES, E.M., Ph.D..*Professor of Astronomy and Director of the Observatory*
ALFRED D. F. HAMLIN, A.M.....*Adjunct Professor of Architecture*
ALFRED J. MOSES, E.M., Ph.D.....*Professor of Mineralogy*
FRANK DEMPSTER SHERMAN, Ph.B..*Adjunct Professor of Architecture*
JAMES F. KEMP, A.B., E.M.....*Professor of Geology*
ROBERT PEELE, E.M..*Adjunct Professor of Mining and Secretary of the Faculty*
WILLIAM HALLOCK, Ph.D.....*Adjunct Professor of Physics*
FRANCIS B. CROCKER, E. M., Ph.D..*Professor of Electrical Engineering*
MICHAEL I. PUPIN, Ph.D.....*Professor of Electro-Mechanics*
WILLIAM H. BURR, C.E.....*Professor of Civil Engineering*
ROBERT S. WOODWARD, C.E., Ph.D.....*Professor of Mechanics and Mathematical Physics*
HAROLD JACOBY, Ph.D.....*Adjunct Professor of Astronomy*
BASHFORD DEAN, Ph.D.....*Adjunct Professor of Zoölogy*
LUCIEN MARCUS UNDERWOOD, Ph.D.....*Professor of Botany*
HENRY M. HOWE, A.M., S.B.....*Professor of Metallurgy*
CHARLES E. PELLEW, E.M.....*Adjunct Professor of Chemistry*

EARL B. LOVELL, C.E.....*Adjunct Professor of Civil Engineering*
WILLIAM LEDYARD CATHCART.....*Adjunct Professor of Mechanical Engineering*
CHARLES R. RICHARDS, B.S....*Professor of Manual Training, Teachers College*
GEORGE FRANCIS SEVER....*Adjunct Professor of Electrical Engineering*
JAMES MACLAY, C.E., Ph.D.....*Adjunct Professor of Mathematics*
EDMUND HOWD MILLER, Ph.D.....*Adjunct Professor of Analytical Chemistry and Assaying*
MARSTON TAYLOR BOGERT, A.B., Ph.B..*Adjunct Professor of Organic Chemistry*
J. LIVINGSTON RUTGERS MORGAN, Ph.D..*Adjunct Professor of Physical Chemistry*

NOTE: For other officers of instruction see departmental statements and special circulars.

## UNIVERSITY COURSES

The Faculty of Applied Science has charge of candidates for the degrees of Master of Arts and Doctor of Philosophy who desire to undertake advanced study or special investigations in mining, metallurgy, engineering (civil, sanitary, electrical, and mechanical), or in architecture. Information as to these higher degrees will be found on pages 203–209, and in the departmental statements, as follows:

**Architecture, page 65**
**Civil and Sanitary Engineering, page 88**
**Electrical Engineering, page 93**
**Mechanical Engineering, page 96**
**Metallurgy, page 131**
**Mining, page 136**

The University courses in Anatomy; Astronomy; Bacteriology; Botany; Chemistry, Analytic, Organic, and Industrial; Geology, including Lithology and Palæontology; Mathematics; Mechanics and Electro-Mechanics; Mineralogy; Physics; Physiological Chemistry; Physiology; Zoölogy, are under the charge of the Faculty of Pure Science.

## PROFESSIONAL COURSES

The Faculty of Applied Science has charge of the following schools:

1. The SCHOOL OF MINES, with four-year courses leading to the degrees of Engineer of Mines and Metallurgical Engineer.

2. The SCHOOL OF CHEMISTRY, with four-year courses in Analytical, Industrial, and Organic Chemistry, leading to the degree of Bachelor of Science.

3. The SCHOOL OF ENGINEERING, with four-year courses in Civil Engineering, Sanitary Engineering, Electrical Engineering, and Mechanical Engineering, the first two leading to the degree of Civil Engineer, and the others to the degree of Electrical Engineer and Mechanical Engineer, respectively.

4. The SCHOOL OF ARCHITECTURE, with a four-year course leading to the degree of Bachelor of Science.

Full particulars regarding each of these courses of study are contained in special circulars, which will be forwarded on application to the Secretary of the University.

These courses are intended to meet the requirements of the several professions indicated. Many of the courses permit a certain amount of specialization, particularly in the fourth year. The courses in the School of Mines are so arranged that the student can emphasize the engineering, the metallurgical, or the geological side of his profession, while one of the alternative courses in Mechanical Engineering is designed for those who wish to make a specialty of mine plant and machinery. A course in Sanitary Engineering (leading to the degree of Civil Engineer) is provided for those who wish to prepare themselves for this important branch of civil engineering. The Mechanical Engineering course offers five alternatives in the fourth year, emphasizing, respectively, the dynamic, the electrical, the mining, the marine, and the locomotive sides of the mechanical engineer's work. Three courses are offered in Chemistry, for analytical chemists, industrial chemists, and organic chemists, respectively. The School of Architecture offers two alternatives in the fourth year—a course of advanced Architectural History and Design, and a course of advanced Architectural Engineering and Practice.

### Modifications of Regular Courses

Under proper restrictions, and for reasons of weight, a student will be permitted to substitute one study for another in any of the regular courses (see By-Law 2). By taking advantage of this provision students can fit themselves for special or unusual lines of professional work without losing their degree.*

### Special Privileges for Graduate Students

Graduates of colleges or scientific schools are admitted to advanced standing in any of the regular professional courses, as candidates for a degree. Such students are given credit for all courses of which they have had the substantial equivalent, and are permitted to take any course of study for which they are qualified. The lecture hours are so arranged that such students can generally fulfil all the requirements for a degree in one or two years. If possible, such men should make arrangements to attend, before entrance, the required summer classes of the course which they intend to take.

### Special Students

Graduates of the School of Mines, the School of Chemistry, the School of Engineering, and the School of Architecture, and of other institutions of like grade and standing, may pursue any subjects taught in the schools for which they are properly qualified.

Except for reasons of weight, satisfactory to the Committee on Admissions, no one will be received as a special student who is unable to meet the regular entrance requirements, or who has, within ten months of the time of his application, been rejected as a regular student, or has, within that period, become deficient as a regular student. No one will be admitted as a special student who wishes merely to pursue elementary subjects included among the requirements for admission to the College or Schools of Applied Science.

In the courses which they severally pursue special students will be held to the observance of the same regulations as to attendance, examination, proficiency, and deficiency as regular students.

## ADMISSION

The Committee on Admissions of the Schools of Applied Science has charge of everything relating to this subject.

Candidates for admission to the first-year class, at its formation, must be at least eighteen years of age, and for admission to advanced standing there is required a corresponding increase of age; but this rule may be dispensed with when, in the opinion of the Dean, there are sufficient reasons to justify its relaxation.

* It is particularly recommended, for example, that students whose professional work is likely to take them to Spanish America in either hemisphere should arrange for a proper course in the Spanish language.

Every candidate must, before admission, present a certificate of good moral character from his last teacher, or from some citizen in good standing, and students from other institutions must bring certificates of honorable dismission.

### Requirements for Admission

Every candidate for admission to the first-year class is required at the entrance examinations (see pages 183–202) to offer subjects amounting to fifteen points* as indicated below.

The candidate *must* offer:

| | | |
|---|---|---|
| Mathematics, elementary and advanced (page 199) | counting | 4 points |
| Elementary Physics (page 200) | " | 1 point |
| Chemistry (page 188) | " | 1 " |
| Freehand Drawing (page 189) | " | 1 " |
| English (page 189) | " | 3 points |
| Elementary History (page 196) | " | 1 point |
| Elementary German (page 193) | " | 2 points |

and two points from one of the following subjects:

| | | |
|---|---|---|
| Elementary French (page 191) | " | 2 points |
| Spanish (page 201) | " | 2 " |
| Elementary Latin (page 198) | " | 2 " |

### Certificates in Lieu of Entrance Examinations

The Schools of Applied Science in general accept, in lieu of University entrance examinations, no credentials of any sort except the Regents' Academic Diploma † and the certificates of universities and colleges in good standing. These credentials are accepted only for the ground which they specifically cover.

All credentials offered in lieu of entrance examinations must be sent to the chairman of the Committee on Admissions of the Schools of Applied Science at least one week before the first day of the entrance examinations. The names of those candidates whose certificates are accepted in whole or in part will be posted on the Bulletin Board at least one day in advance of the beginning of the examinations.

The separate pass-cards, and the several other certificates issued

* The several subjects are stated in terms of units; the unit is a course of five periods weekly throughout an academic year of the preparatory school; the subjects are assigned units in accordance with the time required to prepare adequately upon them for college entrance.

† Every Regents' Academic Diploma is considered as covering the entrance requirement in English. No Regents' Academic Diploma will be accepted in lieu of the entrance examination in French unless it covers a two-years' high-school course in French as recognized by the Regents. Similarly, no Regents' Academic Diploma will be accepted in lieu of the entrance examination in German unless it covers a two-years' high-school course in German. In the case of the natural sciences, a Regents' Academic Diploma will not be accepted for the required laboratory work.

by the Regents of the State of New York, are not accepted in lieu of examinations.

The certificates of the preparatory or high-school departments of universities and colleges are not accepted by the School of Applied Science.

Candidates must take the regular entrance examinations in the subjects in which their certificates are not deemed adequate.

### Report of Entrance Examinations

The Committee on Admissions will report to the Dean not later than one week after the conclusion of the entrance examinations in June the names of those candidates who, having passed a satisfactory examination, may be admitted with or without conditions, or who must present themselves for re-examination in September, and of those who have been rejected.

The Committee on Admissions will report to the Dean not later than one week after the conclusion of the entrance examinations in September the names of those candidates who, upon a final showing, may be admitted with or without conditions, and of those who have been rejected.

Except for reasons of weight, satisfactory to the Committee on Admissions, the results of an entrance examination will not be allowed to stand to the credit of a candidate for a longer period than sixteen months.

### Admission to Advanced Standing

Candidates for admission from other universities or colleges, and those desiring to be admitted to advanced standing on examination must make application in writing to the Dean. Proper blanks for the purpose may be obtained from the Secretary of the University. These should be returned when filled out, accompanied by a catalogue of the institution from which the transfer is to be made, in which the applicant has distinctly marked the courses which he has completed and the subjects which he offered for admission. The application should be made at least one week before the first day of the September entrance examinations.

Each candidate for a degree seeking admission to advanced standing must show that he has attained proficiency in the equivalents of:

1. The requirements for admission to the first-year class.
2. All the prescribed studies already pursued by the class to which he seeks admission.

A candidate may be admitted notwithstanding deficiencies in some of these studies, but no candidate will be recommended for a professional degree until he shall have brought all his studies up to the point required for that degree.

Each candidate from another university or college is expected to

furnish official statements of his record in his various studies, and letters or other evidence showing the opinion of his instructors in regard to his scholarship and character.

No applicant will be allowed to enter the fourth-year class as a candidate for a degree after October 15 in any year.

### Matriculation, Registration, and Enrolment

For the regulations prescribed for all students, see page 18. For such further regulations as may be prescribed for the students of the Schools of Applied Science, see the Circular of General Information for 1902–03.

### Fees

(See page 19)

## By-Laws

1. No student is allowed to be a candidate for more than one of the professional degrees at the same time.

2. For reasons of weight the substitution of a subject in any professional course for an approved equivalent may be made by the Dean on the request of any candidate for a degree, provided that such substitution have the approval of the heads of the departments concerned and of the department giving the technical instruction that leads to the degree for which the student is a candidate.

3. Prompt and regular attendance is required of every student upon the exercises and examinations of the courses for which he is enrolled.

4. The instructor in each subject shall keep a careful record of the attendance, and, as far as practicable, of the scholarship of all students entitled to attend that subject. It shall be the duty of the instructor to warn any student found deficient in scholarship or irregular in attendance, and if such deficient scholarship or irregular attendance continue thereafter, he shall report his name through the head of the department to the Dean.

5. Any student so reported may be put upon probation by the Dean, or debarred by him from examination after due opportunity for personal explanation.

6. The Dean may also debar from examination in any subject any student reported to him as having incurred, with or without good reason, absences so numerous that, in the judgment of the head of the department concerned, it has become essential that he should repeat that subject; and any student so debarred shall not be admitted to examination in that subject until he has attended the full course therein.

7. By special permission of the Dean, with the concurrence of the head of the department concerned, students may attend exercises not required in the class or subject to which they belong, provided that

such attendance does not interfere with the required exercises of their class. Such students are held to the same rules as to attendance and examination in their extra studies as in the required studies of their class.

**8.** Any student who shall have passed a satisfactory examination in Columbia College in any study forming a part of one of the professional courses in the Schools under the Faculty of Applied Science will not be required to pursue that study a second time.

### Examinations and Standing

**9.** Examinations will be held at the end of the first half-year(mid-year), or at the end of the year (final). Examinations for students debarred or deficient at the regular examinations will be held during the two weeks preceding the opening of the first half-year, and for members of the fourth class only, and for subjects belonging to that year only, in the first week in May. In the case of subjects and courses which require the use of collections and apparatus the delinquent examination will be held during the week following the holidays at Christmas.

**10.** A student found deficient in a subject at any of the stated examinations above provided will not be allowed a special examination in that subject.

**11.** A student absent from the regular mid-year, final, or delinquent examinations will be considered to have failed to pass that examination, and will not be allowed a special examination in that subject, except that, if the absence was due to unavoidable circumstances, the Dean may, on proper written certification of these circumstances, grant a special examination.

**12.** The fee for special examination is $5.00, which must be paid by the student before being admitted to the examination. If a student has special examinations in several subjects granted to him under one permit from the Dean specifying each subject, one fee of $5.00 shall cover them all.

**13.** Every officer, after the stated examinations have been held, shall report to the Registrar a list of all students who have attended his instruction, indicating their proficiency by numbers on a maximum of 10, a mark below 6 constituting a failure to pass. A student reported in grade 6 in a majority of the subjects pursued by him in any year, and not reported in grade 8 or higher in the greater part of the remainder of such subjects, will not be permitted to go on with his class without the consent of the Dean and the head of the department giving the technical instruction that leads to the degree for which the student is a candidate. This consent will be given only for reasons of weight, but the student may enter the next succeeding class and pursue such subjects as may be required of him. Each student's record will be transmitted to him at the close of each year.

14. Any student who shall fail to pass in any of his studies at the regular mid-year or final examinations shall present himself for a second examination as above provided in by By-Law 9; failing to pass in this second examination he shall be dropped from his class and required to repeat the subject with the next following class, but the Dean may exercise his discretion in excusing him from attendance on the exercises of such a subject, holding him to such other requirements as may seem advisable; failing a third time to pass a satisfactory examination in any study, his name shall be dropped from the roll of the school. A student so dropped shall have the right of appeal to the Faculty.

15. Students shall be enrolled in the class in which at least 75 % of their hours are taken; provided, however, that no student shall be advanced from the first to the second class who has any entrance condition in mathematics, chemistry, or physics; no student shall be advanced to the third class who has any entrance conditions or any deficiencies of the first year; no student shall be admitted to the fourth class who has any deficiency in the first or second year, or more than one deficiency in the third year. A student dropped from the roll of his class shall not be permitted to attend any of the exercises of the said class without the consent of the Dean given for reasons of weight.

16. Students failing in any subject shall not be permitted to take advanced studies for which, by reason of such deficiency, they are not prepared; nor will such students be allowed to attend any Summer Course without permission of the Dean.

17. Students who have received one degree and make application for another in the Schools of Applied Science must comply with all the requirements for that degree in force at the date of application.

### Memoirs and Summer Work

18. During the vacations following the close of each year, memoirs on subjects, which will be assigned, are required of students in the courses of civil engineering, electrical engineering, mechanical engineering, of analytical, industrial, and organic chemistry, and of architecture. The time specified for the completion and handing in of memoirs in chemistry and electrical engineering is November 1st of each year; for other memoirs and summer work the time specified is the second Monday in October.

19. Students of the second, third, and fourth classes who fail to hand in the memoirs, drawings, and other summer work required of them under the rules by a specified time, shall not be permitted to hand them in until the beginning of the next academic year, and failing in this latter requirement they shall be dropped from the roll of the class. This requirement may be waived, for reasons of weight, in the case of students of the fourth class.

### Special Students

**20.** Graduates of the School of Mines, the School of Chemistry, the School of Engineering, and the School of Architecture, and of other institutions of like grade and standing, may pursue any subjects taught in the schools for which they are properly qualified.

**21.** Persons of mature age who are not graduates, but who show special qualifications, are sometimes permitted to pursue special courses, but this permission is not given to others. In the School of Architecture professional draughtsmen of age and experience are received as special students for periods of two months at a time.

### Laboratories and Drawing Rooms

**22.** No student will be allowed without permission in a laboratory or drawing room at a time when his attendance there is not due. During hours assigned for practical work in the laboratories and drawing rooms, the attendance of students is required.

### Elective Courses Open to Students in the College

All the studies of the first year, and many of the second-year courses of the School of Mines, the School of Chemistry, the School of Engineering, and the School of Architecture, are included among the electives offered to students of Columbia College.

Any and all of the studies of the second year in the above schools are open to members of the senior class in the College who are properly qualified.

By a judicious arrangement of his course of study from the beginning, a graduate of Columbia College can thus enter the third year of any of the above schools.

### Excursions

During the session, the students may visit the different mines, machine shops, electrical and metallurgical establishments, chemical works, and points of geological interest of the city and its environs, and excursions for this purpose are frequently organized by the different departments.

### Summer Courses

SUMMER COURSE IN SURVEYING—During the latter part of the vacations following the close of the first and second years, students in the courses of mining, civil, and sanitary engineering, and metallurgy, are required to join the summer course in surveying under the direction of the Adjunct Professor of Civil Engineering.

During the latter part of the vacation following the close of the third year, students in the courses of mining and civil engineering are required to attend a class in railroad surveying for a period of four weeks. The students in the mining engineering course have the option

of attending this class in the vacation following the close of the second year. This class is under the direction of the Adjunct Professor of Civil Engineering.

Summer Course in Geodesy—During the vacation following the close of the third year, students in the courses of civil and sanitary engineering are required to attend a summer school in geodesy for six weeks. The class is under the supervision of the Professor of Astronomy.

Summer Course in Mining—During the vacation following the close of the third year, students in the courses of mining engineering and metallurgy are required to visit mines and engage in actual work or study for five weeks, under the superintendence of the Adjunct Professor of Mining. This summer school is open to second-year students *without conditions*, as an optional course.

Summer Course in Chemistry—Students of the second and third classes attend a summer school in industrial chemistry, under the direction of the instructors in that subject, spending three weeks in visiting and carefully studying chemical works of special interest in and near the city, as well as gas works, petroleum refineries, sugar refineries, dyeing and calico-printing establishments, soap, candle, and oleomargarine works, paper mills, and plants for the purification of water and of sewage.

During the summer vacations drawings or memoirs, on subjects which will be assigned, are required, as well as reports upon chemical works and manufactories which will be visited in company with the instructors in industrial chemistry. The time specified for the completion and handing in of the memoirs is November 1st of each year.

The drawings or memoirs must be accompanied by translations of greater or less length, from French and German text-books or scientific periodicals, upon subjects assigned to each student.

Summer Course in Metallurgy—In the latter part of the vacation following the third year, students in mechanical engineering and metallurgy are required to devote two weeks to practical metallurgy. This summer school is open to students in mining engineering and chemistry as an optional course.

Summer Course in Geology—The Trustees of the University have made an appropriation for a summer school in geology which defrays the expenses of a small squad of advanced students for about one month each summer, with the Professor of Geology. Also, in connection with the summer school in practical mining, at least one week is devoted to practical field geology, for the students in the courses of mining engineering and metallurgy.

**Equipment and Collections**

Detailed information as to the laboratories, museums, collections, libraries, and other facilities for study and research will be found in the departmental statements as follows:

**Architecture,** page 65.
**Chemistry,** page 77.
**Civil and Sanitary Engineering,** page 88.
**Electrical Engineering,** page 93.
**Geology,** page 107.
**Mechanical Engineering,** page 96.
**Metallurgy,** page 131.
**Mineralogy,** page 133.
**Mining,** page 136.
**Physics,** page 163.

### Chemical and Assay Apparatus

1. Students may purchase apparatus of any of the dealers in the city.

2. To avoid inconvenience and expense to the students, and to secure a proper selection, the University undertakes, at considerable trouble and expense, to lend apparatus on the following conditions:

(*a*) Each student engaged in chemical or assay laboratory work, who draws apparatus, must make with the Bursar deposits, as follows, which will be credited to him:

Students taking first-year laboratory work in qualitative analysis, $20
Other chemical or assay laboratory work . . . . . 40

In case of excessive draughts of apparatus an additional deposit may be required.

(*b*) Each student shall be entitled, on presenting his receipt at the apparatus room, to draw the regular set of apparatus for qualitative analysis, for quantitative analysis, for organic analysis, or for assaying on account of his deposit, and from time to time to obtain ordinary articles that he may need, which will be charged to him. At the end of the year he will be credited with those articles which he returns in good order, and the value of those which he has injured or broken will be deducted from his deposit.

(*c*) The apparatus room will be open for issuing apparatus every day at convenient hours.

(*d*) No charge is made for ordinary chemicals.

## OUTLINE OF PROFESSIONAL COURSES OF STUDY

(For details as to each course of study see the departmental statements, pages 61–182 of this volume.)

## COURSE IN MINING ENGINEERING

| First Class | Second Class | Third Class | Fourth Class |
|---|---|---|---|
| Botany 8 (1st term) | Chemistry 12 (2d term) | Chemistry 17 (1st term) | Civil Eng. 12 (1st term) |
| Chemistry 1 | Chemistry 24 | Civil Engineering 5 | * Geology 6 |
| Chemistry 7 | Civil Eng. 14*a* (1st term) | Civil Eng. 6 (2d term) | * Geology 7 |
| Civil Eng. 1 (2d term) | Geology 2 | Elec. Eng. 5 (2d term) | * Geology 10 |
| Mathematics 3*a* (1st term) | Geology 4 (2d term) | Geology 3 | Mech. Engineering 12–13 |
| Mathematics 3*b* (1st term) | Mathematics 6 | Mech. Eng. 11 (2d term) | Mech. Eng. 19 (1st term) |
| Mathematics 4 (2d term) | Mech. Engineering 1 | Mechanics 1 | Mech. E. 20–21 (2d term) |
| Mech. Engineering 1 | Mech. Engineering 2 | Metallurgy 1 (1st term) | Mechanics 5 (1st term) |
| Mineralogy 1 (1st term) | Mineralogy 4 (1st term) | Metallurgy 5 | Met. 2, 4, 6*a* (1st term) |
| Mineralogy 2 (1st term) | Mineralogy 6 (2d term) | Mining 3 | Mining 5 (2d term) |
| Mineralogy 4 (2d term) | Mining 1 (1st term) | Mining 4 | Mining 6 (1st term) |
| Physics 1 | Mining 2 (2d term) | Mining 7*a* (2d term) | Mining 7 |
| Zoölogy 1 (2d term) | Physics 3 (1st term) | | Mining 8 |
| | | | Mining 9 (2d term) |
| | | | Mining 10 (2d term) |
| | | | Thesis |

*Geological option.

## COURSE IN METALLURGICAL ENGINEERING

| First Class | Second Class | Third Class | Fourth Class |
|---|---|---|---|
| Chemistry 1 | Chemistry 9 | Chemistry 17 (1st term) | Chemistry 14 (1st term) |
| Chemistry 7 | Chemistry 24 | Elec. Eng. 5 (2d term) | Elec. Engineering 3 |
| Civil Eng. 1 (2d term) | Geology 2 | Geology 3 | Mech. Engineering 12–13 |
| Mathematics 3*a* (1st term) | Geology 4 (2d term) | Mech. Engineering 22 | Mech. E. 20–21 (2d term) |
| Mathematics 3*b* (1st term) | Mathematics 6 | Mech. Engineering 41 | Metallurgy 4 (1st term) |
| Mathematics 4 (2d term) | Mech. Engineering 1–2 | Mechanics 1 | Metallurgy 5 |
| Mech. Engineering 1 | Mineralogy 4 (1st term) | Metallurgy 1 (1st term) | Mining 5 (2d term) |
| Mineralogy 1 (1st term) | Mineralogy 6 (2d term) | Metallurgy 2 (1st term) | Mining 6 (1st term) |
| Mineralogy 2 (1st term) | Physics 3, theory (1st term) | Metallurgy 3 (2d term) | Thesis |
| Mineralogy 4 (2d term) | Physics 3, practice | Metallurgy 5 (2d term) | |
| Physics 1 | | Mining 3 | |
| | | Mining 4 | |
| | | Mining 7*a* (2d term) | |

## COURSES IN ANALYTICAL, ORGANIC, AND INDUSTRIAL CHEMISTRY

| First Class | Second Class | Third Class | Fourth Class |
|---|---|---|---|
| Chemistry 1 | Chemistry 3 | Chemistry 13 (1st term) | Chemistry 4 |
| Chemistry 7 | Chemistry 9 | Chemistry 17 (2d term) | † Chemistry 14–15 |
| Mathematics 3*a* (1st term) | Chemistry 24 | Chemistry 25 | Chemistry 25 |
| Mathematics 3*b* (1st term) | Mathematics 6 | Chemistry 31 | Chemistry 32 |
| Mathematics 4 (2d term) | Mineralogy 3 (1st term) | Mech. Eng. 11 (2d term) | Electrical Engineering 3 |
| Mech. Engineering 1 | | Mechanics 19 | ‡ Elec. Eng. 5 (2d term) |
| Mineralogy 1 (1st term) | | Metallurgy 1 (1st term) | Mech. Engineering 12–13 |
| Mineralogy 2 (1st term) | | Metallurgy 2 (1st term) | † Metallurgy 3 (2d term) |
| Mineralogy 3 (2d term) | | Metallurgy 5 | Metallurgy 4 (1st term) |
| Physics 1 | | * Mineralogy 8 (2d term) | Thesis |

*Organic option. † Analytical option. ‡ Industrial option.

## COURSE IN CIVIL ENGINEERING

| First Class | Second Class | Third Class | Fourth Class |
|---|---|---|---|
| Botany 8 (1st term) | Chemistry 24 | Astronomy 3 | Astronomy 3*a* (1st term) |
| Chemistry 1 | Civil Eng. 2 (1st term) | Civil Engineering 4 | Civil Engineering 9 |
| Chemistry 7 | Civil. Eng. 3 (2d term) | Civil Engineering 5 | Civil Engineering 10 |
| Civil Eng. 1 (2d term) | Elec. Engineering 7 | Civil Eng. 6 (2d term) | Civil Eng. 11 (1st term) |
| Mathematics 3*a* (1st term) | Mathematics 6 | Civil Eng. 7 (2d term) | Civil Eng. 12 (1st term) |
| Mathematics 3*b* (1st term) | Mech. Engineering 1 | Civil Eng. 8 (1st term) | Civil Eng. 13 (2d term) |
| Mathematics 4 (2d term) | Mech. Engineering 2 | Civil Engineering 14 | Mech. Engineering 12–13 |
| Mech. Engineering 1 | Mech. Engineering 6–7 | Elec. Eng. 5 (2d term) | Mech. Engineering 18 |
| Mech. Engineering 3–4 | Mineralogy 5 | Geology 2 | Mech. Eng. 19 (1st term) |
| Physics 1 | Physics 3, theory (1st term) | Mech. Eng. 11 (2d term) | Mech. E. 20–21 (2d term) |
| | Physics 3, practice | Mechanics 1 | Mech. Eng. 26 (1st term) |
| | | Mining 2*b* | Mech. Eng. 27 (2d term) |
| | | | Mechanics 4 (2d term) |
| | | | Metallurgy 3 (2d term) |
| | | | Thesis |

## COURSE IN ELECTRICAL ENGINEERING

| First Class | Second Class | Third Class | Fourth Class |
|---|---|---|---|
| Chemistry 1 | Chemistry 11 (1st term) | Civil Engineering 5 | Elec. Eng. 2 (1st term) |
| Chemistry 7 | Chemistry 24 | Elec. Eng. 1 (1st term) | Electrical Engineering 3 |
| Mathematics 3*a* (1st term) | Electrical Engineering 7 | Elec. Eng. 4 (2d term) | Elec. Eng. 8 (2d term) |
| Mathematics 3*b* (1st term) | Mathematics 6 | Electrical Engineering 6 | Elec. Engineering 11–12 |
| Mathematics 4 (2d term) | Mech. Engineering 2 | Elec. Engineering 10 | Elec. Eng. 22 (2d term) |
| Mech. Engineering 1–2 | Mech. Engineering 6–7 | Elec. Eng. 15 (2d term) | Elec. Eng. 23 (1st term) |
| Mech. Engineering 3–4 | Mech. Eng. 10 (2d term) | Mech. Eng. 10 (1st term) | Elec. Eng. 25 (2d term) |
| Physics 1 | Mech. Eng. 11 (2d term) | Mech. Engineering 12–13 | Mech. Eng. 19 (1st term) |
| | Physics 3, theory | Mech. Engineering 17 | Mech. Eng. 20–21 (2d term) |
| | Physics 3, practice | Mech. Engineering 18 | Mechanics 4 (2d term) |
| | | Mechanics 1 | Mechanics 8 (1st term) |
| | | Mechanics 6 (1st term) | Mechanics 9 (2d term) |
| | | Mechanics 7 (2d term) | Metallurgy 3 (2d term) |
| | | | Thesis |

## COURSE IN MECHANICAL ENGINEERING

| First Class | Second Class | Third Class | Fourth Class |
|---|---|---|---|
| Chemistry 1 | Chemistry 24 | Elec. Eng. 1 (1st term) | Civil Eng. 12 (1st term) |
| Chemistry 7 | Electrical Engineering 7 | Elec. Eng. 4 (2d term) | Elec. Eng. 2 (1st term) |
| Mathematics 3*a* (1st term) | Mathematics 6 | Elec. Engineering 10 | Elec. Eng. 8 (2d term) |
| Mathematics 3*b* (1st term) | Mech. Engineering 1 | Mech. Engineering 9 | Elec. Eng. 22 (2d term) |
| Mathematics 4 (2d term) | Mech. Engineering 2 | Mech. Eng. 10 (1st term) | Elec. Eng. 23 (1st term) |
| Mech. Engineering 1 | Mech. Engineering 6–7 | Mech. Engineering 12–13 | Mech. Eng. 19 (1st term) |
| Mech. Engineering 3–4 | Mech. Eng. 10 (2d term) | Mech. Eng. 14, 15, 17 | Mech. Eng. 20–21 (2d term) |
| Physics 1, theory | Mech. Eng. 11 (2d term) | Mech. Engineering 16 | Mech. Eng. 23 (2d term) |
| Physics 3, practice | Physics 3, theory | Mech. Engineering 18 | Mech. Engineering 28 |
| | Physics 3, practice | Mech. Eng. 22 (2d term) | Mech. Engineering 29 |
| | | Mech. Engineering 30 | Mech. Engineering 43 |
| | | Mech. Engineering 41 | Mech. Engineering 44–48 |
| | | Mechanics 1 | Mechanics 4 (2d term) |
| | | Metallurgy 3 (2d term) | Mining 7 (1st term) |
| | | | Thesis |

## COURSE IN ARCHITECTURE

| First Class | Second Class | Third Class | Fourth Class |
|---|---|---|---|
| Architecture 1 | Architecture 3 | Architecture 3 | Architecture 12 |
| Architecture 5 | Architecture 6 | Architecture 6 | Architecture 18 |
| Architecture 8 | Architecture 11 | Architecture 15 (3d year) | Architecture 19 |
| Architecture 10 (1st term) | Architecture 15 (2d year) | Architecture 17 (3d year) | Architecture 20 |
| Architecture 10 (2d term) | Architecture 16 (2d year) | Arch. 43–44 (3d year) | Architecture 21 |
| Architecture 15 (1st year) | Architecture 17 (2d year) | Architecture 92 (3d year) | Architecture 92 |
| Architecture 16 (1st year) | Arch. 43–44 (2d year) | Architecture 131 | Thesis |
| Architecture 17 (1st year) | Architecture 92 (2d year) | Architecture 132 | |
| Architecture 91 (1st year) | Architecture 142 | Architecture 143 | |
| Architecture 92 (1st year) | | | |
| Architecture 93 (1st year) | | | |
| Architecture 141 | | | |

## REGISTER OF STUDENTS

### FOURTH YEAR CLASS

#### Mining Engineers

Bateson, Charles Edward Wagstaffe.....(Mhtn) New York City
Cromwell, Robert Hewitt.....(Bklyn) New York City
Feust, Arthur.....(Mhtn) New York City
Lunt, Horace Fletcher, A.B., *Harvard College*..... Colorado Springs, Col.
Mabulen, Frederick.....Evansville, Ind.
Merry, Frederick Charles.....(Bklyn) New York City
Morley, Frederick Hitchcock, A.B., *Yale*.....Colorado Springs, Col.
Parkin, William Metcalf, A.B., *Leland Stanford, Jr*.....(Mhtn) New York City
Pelton, Edward Franklin.....(Mhtn) New York City
Read, Thomas Thornton.....Coltsneck, N. J.
Rigby, Seth Freeman, B.S., *Univ. of Utah*.....Salt Lake City, Utah
Shreve, John Nelson.....(Mhtn) New York City
Skinner, Elmond Norton, Ph.B., *Yale*.....Denver, Col.
Smyth, David Wilson.....(Mhtn) New York City
Stewart, Howard Race.....Launceston, Australia
Whyte, William de Burgh.....London, England
Wilson, Charles Henry.....Mt. Vernon, N. Y.

#### Civil Engineers

Bleich, Samuel David, B.S., *N. Y. City College*.....(Mhtn) New York City
Close, Joseph Atwater.....Stamford, Conn.
Garcelon, Charles Augustus, Jr., B.S., *Armour Institute of Technology*, North Lovell, Me.
Gaston, Melchor E., A.B., B.S., *University of Havana*.....Cardenas, Cuba
Hirschthal, Meyer, B.S., *N. Y. City College*.....(Mhtn) New York City
Irvine, Frederick Brice.....(Mhtn) New York City
MacLean, Allan, A.B., *Yale*.....Litchfield, Conn.
Maisenholder, Edward Frederick.....(Mhtn) New York City
Murphy, William Aloysius.....(Mhtn) New York City
Serrano, Vicente.....(Mhtn) New York City
Tombo, Carl, B.S., *N. Y. City College*.....(Mhtn) New York City
Wyckoff, Charles Rapelyea, Jr., B.S., *Brooklyn Polytechnic Institute* (Bklyn) New York City

#### Electrical Engineers

Bartoccini, Ostolfo.....(Mhtn) New York City
Daniels, Harold Platt.....(Mhtn) New York City
Diamant, Sidney.....(Mhtn) New York City
Freund, Harry Paul.....(Mhtn) New York City
Goepel, Carl Paul.....(Mhtn) New York City
Golden, Percy Norris.....Elizabeth, N. J.
Grant, Oliver Remick.....(Br) New York City
Gray, Clifford.....(Mhtn) New York City
Haviland, Henry Field.....(Mhtn) New York City
Hyman, Wallace Munroe.....(Mhtn) New York City

McAnerney, Joseph Augustus.....(Mhtn) New York City
Menges, Philip Charles, B.S., *N. Y. City College*.....(Mhtn) New York City
O'Donovan, Leo Jeremiah, A.B., *St. John's College*.....(Mhtn) New York City
Powers, Walter Hayward.....Rye, N Y.
Reich, William I.....(Mhtn) New York City
Rosenblatt, Girard B.....(Mhtn) New York City
Rosenthal, Leon Walter.....(Mhtn) New York City
Solomon, Isaac Rosh.....(Mhtn) New York City
Thurston, Louis Stewart.....Nutley, N. J.
Wallace, William Murray.....(Mhtn) New York City
Welcke, Celestin John.....(Mhtn) New York City
White, Francis Joseph.....(Bklyn) New York City
Wiel, Arthur Bernard.....(Mhtn) New York City
Zucker, Arthur A.....(Mhtn) New York City

Mechanical Engineers

Clark, Benjamin Franklin, Jr.....Conway, N. H.
Clarke, Robert Walter Maxwell.....(Mhtn) New York City
Crissey, Clarence Philip.....(Mhtn) New York City
Hatch, Walter Percy, Jr.....Stamford, Conn.
Heyer, Bradford Willard.....(Mhtn) New York City
Marston, Charles Stephen.....(Mhtn) New York City
Obert, Casin Watson.....(Mhtn) New York City
Reis, Leslie Robert.....(Mhtn) New York City
Richmond, Julian Pierre William.....(Br) New York City
Rionda, Leandro Jose.....(Mhtn) New York City
Schlosser, Philip.....(Mhtn) New York City
Swart, Clifford Townsend.....Mt. Vernon, N. Y.
Ver Planck, William Everett.....Fishkill-on-Hudson, N. Y.
Waters, Rossiter Lester.....(Mhtn) New York City
Williamson, Alfred.....(Mhtn) New York City
Wilner, Elias Ralph.....(Mhtn) New York City
Wittemann, Rudolph Wendelin.....(Bklyn) New York City
Wood, Dennistoun, Jr.....Irvington-on-Hudson, N. Y.

Metallurgist

Pattison, Myron Adams.....Denver, Col.

Chemists

Breneman, Harry Campbell.....Cincinnati, O.
Danziger, Joseph Louis.....(Mhtn) New York City
Dickie, Albert Ernest.....(Bklyn) New York City
Kanolt, Clarence Whitney.....(Mhtn) New York City
Kohnstamm, Lothair S.....(Mhtn) New York City

Architects

Bradley, James Aikin.....Poughkeepsie, N. Y.
Brown, Elliott Lockwood.....(Mhtn) New York City
Bussmann, Arthur Henry.....(Bklyn) New York City
Crosby, Henry Barrett, Jr.....Paterson, N. J.
Fowler, Lawrence Hall, A.B., *Johns Hopkins*.....Baltimore, Md.
Godwin, Herbert.....(Mhtn) New York City
Hanemann, John Theodore.....(Mhtn) New York City
Jacoby, George Washington.....(Mhtn) New York City
Lane, Clarence James.....Mt. Vernon, N. Y.
Scherrer, Josef Anton.....Indianapolis, Ind.
Schoen, Eugene John.....(Mhtn) New York City
Seifert, Karl Francis Joseph.....(Mhtn) New York City
Warren, Frederic Bryant.....(Mhtn) New York City
Warren, William Tilman, B.S., *Alabama Polytechnic Institute*...(Br) New York City
Willson, Fred Fielding.....Bozeman, Mont.

FOURTH YEAR CLASS

| | |
|---|---|
| Mining Engineers | 17 |
| Civil " | 12 |
| Electrical " | 24 |
| Mechanical " | 18 |
| Metallurgist | 1 |
| Chemists | 5 |
| Architects | 15 |
| | 92 |

THIRD YEAR CLASS

Mining Engineers

Aplington, Henry Webster.....(Mhtn) New York City
Berrien, Chauncey Leonard.....(Mhtn) New York City
Bishop, Roy Nelson.....Loomis, Wash.
Bowles, Henry Thornton, A.B., *Yale*.....(Mhtn) New York City
Brady, Leon Hobart.....Kansas City, Mo.
Cabot, George Dodge.....Mt. Vernon, N. Y.
Carrington, Waring.....Newark, N. J.
Constant, Charles Louis, Jr.....(Mhtn) New York City
Corbet, William Wakefield, Ph.B., *Yale*.....Brookville, Pa.
Farish, George Edwin.....Denver, Col.
Gunther, Charles Godfrey.....(Bklyn) New York City
Harwood, Paul Henry.....North Ontario, Cal.
Hendrickson, James F., Jr.....(Bklyn) New York City
Hendrickson, William Harold.....Scarsdale, N. Y.
Higgins, James Edward.....Butte, Mont.
Hoffman, John F., B.S., *University of Utah*.....Salt Lake City, Utah
Holt, Charles.....(Mhtn) New York City
Jacobsen, Harry Barling.....(Mhtn) New York City
Judd, Edward Knight, A.B., *Williams*.....(Mhtn) New York City
Knoblauch, George Wiebe, A.B., *Harvard*.....(Mhtn) New York City
Landers, William Herbert.....(Mhtn) New York City
Law, Charles Taylor.....(Mhtn) New York City
Lovejoy, Frederick Warren, Jr., A.B., *Harvard*.....(Bklyn) New York City
Ostrom, Charles Warren.....Jersey City, N. J.
Pembroke, Earl Richard.....Salt Lake City, Utah
Schmidt, Frederick Sommer, B.S., *N. Y. City College*.....(Mhtn) New York City
Shaw, Frederick Silas.....Kansas City, Mo.
Stillwell, Howard Appleton.....(Bklyn) New York City
Stoffel, Paul Xavier.....(Mhtn) New York City
Truax, Sewall.....Walla Walla, Wash.
Watson, Charles Edward.....(Mhtn) New York City
Will, Philip, M.E., *Cornell*.....Rochester, N. Y.
Willis, Harry Thomas, B.S., *Princeton*.....Champaign, Ill.

Civil Engineers

Bernstein, George William.....(Mhtn) New York City
Beyer, Albin Hebmann, Jr.....(Bklyn) New York City
Busse, Frank August.....Cincinnati, O.
Evalenko, William Alexander.....(Mhtn) New York City
Ford, Walter Hoffmann.....(Mhtn) New York City
Fredericks, Anton.....(Mhtn) New York City
Goodman, Louis, B.S., *N. Y. City College*.....(Mhtn) New York City
Hamburger, Samuel.....(Mhtn) New York City
Hodgson, Herbert Hardy, B.S., *So. Dakota State College*.....Huron, So. Dakota

HOLDEN, CHARLES ALEXANDER.....(Br) New York City
LEVITT, BORIS ABRAHAM.....(Br) New York City
LODER, ELWOOD HILL.....Port Chester N. Y.
MCDOWELL, WALTER ST. LEGER.....Middletown, Conn.
MURPHY, JAMES LEO.....(Mhtn) New York City
NICHOLSON, JOHN MICHAEL, A.B., *St. Francis Xavier*.....(Mhtn) New York City
PROUT, GLOVER PERIN.....Nutley, N. J.
SAYERS, EDWARD LAWRENCE, A.B., *St, Francis Xavier*.....(Mhtn) New York City
WOLFF, ARTHUR MOSES.....(Mhtn) New York City
WORMSER, MORITZ, A.B., *Columbia*.....(Mhtn) New York City
YATES, WILLIAM HENRY.....(Mhtn) New York City
ZASLAW, MEYER, B.S., *University of Pennsylvania*.....(Mhtn) New York City

ELECTRICAL ENGINEERS

ABREU, LEOPOLDO G.....(Mhtn) New York City
BAUMGARTEN, CHARLES.....(Mhtn) New York City
BRADLEY, ALONZO BRACKETT.....(Mhtn) New York City
BROWN, STANTON.....(Mhtn) New York City
CLARK, FREDERIC BAYLIS.....(Mhtn) New York City
COGGESHALL, ALLAN.....South Orange, N. J.
COWING, PERCY FOOTE.....(Mhtn) New York City
DE FOREST EDWARD LAYTON.....(Mhtn) New York City
EVANS, WILLIAM AUGUSTUS DARLING.....(Mhtn) New York City
EVERETT, SAMUEL HARRISON, Jr.....(Bklyn) New York City
GOTTSBERGER, JAMES BANKER, A.B., *Brooklyn Polytechnic Institute* (Bklyn) New York City
GREVATT, FRANK FROMMEL.....West Hoboken, N. J.
GRIFFITH, PERCY LE ROY.....(Mhtn) New York City
HIBBARD, DANIEL BROWN.....(Mhtn) New York City
HOGUET, RAMSAY CHARLES.....(Mhtn) New York City
LILLARD, OGDEN WHITTIER.....(Mhtn) New York City
PALMER, MONTAGUE.....(Mhtn) New York City
SIMONS, ARTHUR GARRETSON.....(R) New York City
SMITH, RAYMOND WESTHORPE.....(Mhtn) New York City
STOVER, RODERICK.....Albuquerque, New Mexico
WARREN, WILLIAM APPLETON.....(Mhtn) New York City

MECHANICAL ENGINEERS

AGER, JOHN WINFRID.....(Bklyn) New York City
ASHLEY, RALPH EARL.....Denver, Col.
BERLINER, RICHARD WALTER.....(Mhtn) New York City
CLARKE, HENRY JOSEPH BOWIE.....(Mhtn) New York City
CURRY, MALCOLM.....(R) New York City
DITTENHOEFER, LESTER FRANKLIN.....(Mhtn) New York City
FABER, JOHN PELHAM.....(Mhtn) New York City
FRANK, EUGENE.....(Mhtn) New York City
GLASBY, HERBERT STITES.....Newark, N. J.
GOODRICH, JOHN SERRE.....(Mhtn) New York City
HENES, LOUIS GEORGE.....(Mhtn) New York City
HULL, ARTHUR BURR.....(Mhtn) New York City
JACOBY, HENRY EDWARD, B.S., *N. Y. City College*.....(Mhtn) New York City
KAYSER, WILLIAM DETLER.....(Mhtn) New York City
MARTIN, FRANKLIN.....West Orange, N. J.
MATTY, LEO JOSEPH.....(Mhtn) New York City
MOËN, LECLANCHÉ.....(Mhtn) New York City
OSBORNE, HAROLD SKENE.....(Mhtn) New York City
PIGOTT, STEPHEN JOSEPH.....(Mhtn) New York City
POND, CHARLES MILES.....New Rochelle, N. Y.

ROSS, SAMUEL MCNUTT.....Altoona, Penn.
SANGUINETTI, PHILIP COHEN.....(Mhtn) New York City
SCHMIDT, HENRY FREDERICK.....(Mhtn) New York City
SPIRO, WALTER JESSE.....(Mhtn) New York City
STONE, MASON ALBERT, Jr., A.B., *Yale*.....(Mhtn) New York City
TERRY, RAPHAEL RUFO.....(Mhtn) New York City
UPDIKE, DAVID MONTGOMERY.....(Mhtn) New York City
VAN CISE, WILLIAM MARSH, A.B., *Columbia*.....Summit, N. J

METALLURGISTS

BOLLES, MYRICK NATHANIEL, B.S., *South Dakota Agricultural College*, Madison, So. Dakota
LANGMUIR, IRVING.....(Mhtn) New York City
WICKES, L. WEBSTER.....(Mhtn) New York City

CHEMISTS

ABRAHAM, HERBERT.....(Mhtn) New York City
BUCKMASTER, FREDERIC CONANT, Ph.G., *N. Y. College of Pharmacy*...Yonkers, N. Y.
CRUSER, FREDERICK VAN DYKE.....(Bklyn) New York City
DEMPWOLF, CHARLES HENRY, Jr.....York, Pa.
FRANK, HENRY.....(Bklyn) New York City
GULBRANDSEN, SVERRE.....(Bklyn) New York City
HAINES, HAROLD WOODBURY.....(Mhtn) New York City
LINDEMAN, MAURICE.....(Mhtn) New York City
MERSEREAU, GAIL.....Cayuga, N. Y.
RUSKAY, BURRILL.....(Mhtn) New York City
THOMPSON, JOHN FAIRFIELD.....(Bklyn) New York City
WILLIAMSON, GEORGE NORMAN, Jr.....Englewood, N. J

ARCHITECTS

BEERS, WILLIAM HERMON.....Mamaroneck, N. Y.
BISHOP, OGDEN MILLS.....(Mhtn) New York City
FROHNE, HENRY WILLIAM.....(Br) New York City
GREENE, PHILIP LLEWELLYN.....(Bklyn) New York City
LABOUISSE, SAMUEL STANHOPE, B.E., *Tulane University*.....New Orleans, La.
LUDLOW, THOMAS WILLIAM.....(Mhtn) New York City
PALLISER, BRUCE SYLVESTER.....Dobbs Ferry, N. Y.
POWELL, WILLIAM ROBERT.....Radnor, O.
SMITH, CLIFFORD LE ROY.....(Mhtn) New York City
STEVENS, SHEPHERD.....(Bklyn) New York City
WEEKS, LOUIS SEABURY.....(Mhtn) New York City
WILSON, ROBERT PADDOCK, Ph.B., *Wesleyan*.....Middletown, Conn.
WYNKOOP, JOHN.....(Mhtn) New York City

## THIRD YEAR CLASS

| | |
|---|---|
| Mining Engineers | 33 |
| Civil " | 21 |
| Electrical " | 21 |
| Mechanical " | 28 |
| Metallurgists | 3 |
| Chemists | 12 |
| Architects | 13 |
| | 131 |

## SECOND YEAR CLASS

### Mining Engineers

AGNEW, JAMES CARSON.....Duluth, Minn.
AICHER, FRANK ALBERT.....Denver, Colo.
ARGALL, GEORGE.....Denver, Colo.
BALDWIN, WILLIAM SAGE.....Nyack, N. Y.
BAMBERGER, SIDNEY M.....(Mhtn) New York City
BAUCHELLE, JOHN FLETCHER.....(Mhtn) New York City
BURBIDGE, THEODORE ALBERT.....(Mhtn) New York City
CAMP, ALBERT ROY.....(Mhtn) New York City
CATRON, JOHN WALZ.....Santa Fé, N. Mexico
CUTTER, GEORGE PRATT.....(Mhtn) New York City
DEMAREST, GUSTAVUS.....(Mhtn) New York City
DUFOURCQ, RAOUL GEER.....(Mhtn) New York City
FIES, MILTON HENRY.....Birmingham, Ala.
FOOTE FRANCIS SEELEY, Jr.....Montclair, N. J.
FRAZER, ALEXANDER JOHN.....(Br) New York City
GODWIN, VICTOR.....(Mhtn) New York City
HATCH, HAMLIN BROOKS.....(Mhtn) New York City
HOLMAN, PHELPS ROUNDS, C.E., *Pennsylvania Military Coll.*.....Salt Lake City, Utah
MACDOUGALL, CHARLES WILLIS.....Elizabeth, N. J.
MAYER, LUCIUS WOLF.....(Mhtn) New York City
MILLER, WILLIAM LEGGETT.....(Q) New York City
MOHR, FREDERICK JOHN.....(Mhtn) New York City
MORRELL, FRANCIS ADAM, A.B., *Creighton University*.....Omaha, Neb.
MOSHER, MELVIN A.....Salt Lake City, Utah.
NORSWORTHY, HOWARD RADCLIFFE.....(Mhtn) New York City
PELTON, ROGER TROWBRIDGE.....Poughkeepsie, N. Y.
PICKERING, JOHN CLARK.....(Mhtn) New York City
RODRIGUEZ, FRANCISCO.....Mazapil, Mexico
ROSSBERG, WILLIAM NICHOLAS.....Helena, Mont.
ROTHSCHILD, CLARENCE GEORGE.....(Mhtn) New York City
SERGEANT, HENRY DE FOREST.....Summit, N. J.
SHERRON, GEORGE AUSTIN.....Rowayton, Conn.
SMILLIE, SHELDON.....(Mhtn) New York City
SMITH, W. T.....Chicago, Ill.
STOW, SHERMAN HOLLISTER.....Santa Barbara, Cal.
SWARTZ, CHARLES CHRISTIAN, A.B., *Yale*.....South Norwalk, Conn.
TAYLOR, NELSON SALATHIEL MILLS.....(Mhtn) New York City
TRACY, WILLIAM EVARTS, A.B., *Yale*.....Plainfield, N. J.
WATSON, FRANK WHALLEY.....Portland, Ore.
WHEELER, BLEECKER LANGDON.....(Mhtn) New York City
WHITTIER, W. E., A.B., *Leland Stanford, Jr.*.....Riverside, Cal.
WICHMAN, FRANK MAXWELL.....Montclair, N. J.
WILLIAMS, ROBERT Y., A.B., *Princeton*.....Newark, N. J.

### Civil Engineers

ALLEN, CLEVELAND.....(Mhtn) New York City
BENEDICT, FARRAND NORTHROP.....(Mhtn) New York City
BENJAMIN, HERBERT ISIDOR.....(Mhtn) New York City
BLACK, RALPH PETERS, A.B., *University of the South*.....Atlanta, Ga.
BURNHAM, RALPH FRENCH.....(Mhtn) New York City
CHURCH, ELIHU CUNYNGHAM.....(Mhtn) New York City
COELOS, JULES AUGUSTE.....(Mhtn) New York City
COOPER, EVERITT MORTON.....(Mhtn) New York City
DERLETH, WALTER TAUBERT, B.S., *N. Y. City College*.....(Mhtn) New York City

FISCHER, WILLIAM GUSTAVO.....Trinidad, Cuba
GOLDBERG, HERMAN, B.S., *N. Y. City College*.....(Mhtn) New York City
HANAN, HERBERT SPENCER.....(Mhtn) New York City
HAWKESWORTH, JOHN.....(Mhtn) New York City
HELLER, CLARENCE.....(Mhtn) New York City
JOCHUM, HENRY LUX, A.B., *N. Y. City College*.....(Mhtn) New York City
MILES, GEORGE FREDERIC.....(Mhtn) New York City
MINOR, HENRY ROSSITER.....(Mhtn) New York City
MORALES, LUIS PEDROSO, A.B., *University of Havana*.....(Mhtn) New York City
PERLMAN, WILLIAM.....(Mhtn) New York City
ROGERS, AUGUSTUS.....(Mhtn) New York City
SCHOCK, DAN ROLLAND.....(Mhtn) New York City
SMITH, ELBERT OSBORNE, Jr.....(Mhtn) New York City
STEIN, CHARLES RICHARD.....(Mhtn) New York City
STEINDLER, HENRY, A.B., *N. Y. City College*.....(Mhtn) New York City
STOUTENBURGH, CHARLES HALL.....(Mhtn) New York City
TANENBAUM, SAMUEL ALEXANDER.....(Mhtn) New York City
TETLEY, THOMAS ROBINSON, Jr.....(Mhtn) New York City
TYLER, WILLIAM ROGERS.....(Mhtn) New York City
WHITNEY, WILLIAM BRAINARD.....(Mhtn) New York City

### ELECTRICAL ENGINEERS

ABENDROTH, WILLIAM PHILIP.....(Mhtn) New York City
ACKER, ALBERT J.....(Mhtn) New York City
BACON, DANIEL READ.....Goshen, N. Y.
BARNERT, MEYER.....Paterson, N. J.
CHAMBERLIN, CARL STRATTON.....(Bklyn) New York City
DALY, WILFRID AUGUSTIN.....Yonkers, N. Y.
DAY, SALISBURY MARCUS.....(Mhtn) New York City
DE CARDENAS, JULIO, A.B., *Havana University*.....Havana, Cuba
DEMERITT, HAROLD SAVERY.....New Canaan, Conn.
DUDEN, WILLIAM.....(Br) New York City
EAKIN, ALEXANDER.....Englewood, N. J.
HAIGHT, LOUIS HENRY.....Amityville, N. Y.
HAYES, EDWARD FRANCIS.....(Mhtn) New York City
HERTZ, HENRY LAWRENCE, B.S., *N. Y. City College*.....(Mhtn) New York City
HIGBIE, HENRY HAROLD.....(Mhtn) New York City
HOCHSPRUNG, GEORGE WERNER.....(Bklyn) New York City
HOLMES, DUNCAN ARGYLE.....(Mhtn) New York City
JARCHO, ISAIAH.....(Mhtn) New York City
JOHNSON, ROBERTS POINSETT.....(Mhtn) New York City
LEWINE, RAYMOND SAKOLSKI.....(Mhtn) New York City
LEWINSON, LEONARD JULIAN.....(Mhtn) New York City
LEWIS, HAROLD GOULD.....Lincoln, Neb.
MENGES, CHARLES PETER.....(Mhtn) New York City
REID, EUGENE JOSEPH.....(Mhtn) New York City
SANGER, CHARLES.....(Mhtn) New York City
SCHAUS, CARL JOSEPH.....(R) New York City
SCHNEIDER, CARL ALBERT.....Buffalo, N. Y.
SCHUELER, ADELBERT PREUSS.....(Mhtn) New York City
SERINGHAUS, FREDERICK WILLIAM, Jr.....(Mhtn) New York City
STEBBINS, ROWLAND.....(Mhtn) New York City
VAN WAGENEN, EDWARD.....(Mhtn) New York City
WALTER, JOHN CHARLES.....Baltimore, Md.
WHARTON, PERCIVAL CHARLES.....(Mhtn) New York City
WITTIG, GUSTAV FREDERICK, B.S., *Rutgers*.....New Brunswick, N. J.

### Mechanical Engineers

Alexander, Ludwell Brooke.....(Mhtn) New York City
Arnold, Stanfield Nichols.....Yonkers, N. Y.
Ashley, Eugene.....(Mhtn) New York City
Biglow, Lem Cavalli.....(Mhtn) New York City
Borsody, Alexander.....(Mhtn) New York City
Campbell, Ralph.....(Mhtn) New York City
Carbo, Luis Alberto.....(Mhtn) New York City
Cook, Thomas Fowke.....(Mhtn) New York City
Denison, Griswold, II.....(Bklyn) New York City
Fisher, Harry Annis.....(Mhtn) New York City
Gillies, William F.....Montclair, N. J.
Grant, Harry Allen.....Tarrytown, N. Y.
Howell, John Jacob.....(Mhtn) New York City
Kebler, Leonard.....(Br) New York City
la Rosa, Francisco Gustavo.....(Mhtn) New York City
Mead, Theodore, Jr.....Newark, N. J.
Meehan, Vincent Paul.....(Mhtn) New York City
Otis, Sidney.....Yonkers, N. Y.
Peters, James F.....Latrobe, Pa.
Riedel, Carl Oscar.....(Bklyn) New York City
Schreiber, Carl Theodore.....(Bklyn) New York City
Smallwood, Julian Chase.....(Mhtn) New York City
Stangland, Robert Sedgwick.....Morton, N. Y.
Weinrich, Morris Frank.....Yonkers, N. Y.
Willhofft, Friedrich Otto, . *Testimonium Maturitatus*, Royall Gymnasium, Leipzig, (Mhtn) New York City
Wood, William.....(Mhtn) New York City
Wyld, Robert Hasbrouck.....(Mhtn) New York City

### Metallurgists

Green, George Gordon.....Cincinnati, O.
Neugass, Solomon.....(Mhtn) New York City

### Chemists

Berg, William Nathan.....(Mhtn) New York City
Cox, Harold Newton.....(Bklyn) New York City
Falk, Milton J.....(Mhtn) New York City
McLaughlin, Cyril Berchman, A.B., *St. Francis Xavier*.....(Mhtn) New York City
Popper, Edwin.....(Mhtn) New York City
Sample, Clarence Walker Carleton.....(Mhtn) New York City

### Architects

Burtis, William Edgar.....(Bklyn) New York City
Campbell, Shiras, A.B., *Yale*.....Elizabeth, N. J.
Cross, John Walter, A.B., *Yale*.....(Mhtn) New York City
Curlett, Aleck Edward.....San Francisco, Cal.
Ebling, Louis Allen.....(Br) New York City
Edwards, Franklyn Ellsworth, M.D., *University of Buffalo*, (Mhtn) New York City
Gwin, William McKendry, Jr., B.S., *Virginia Military Institute*, (Mhtn) New York City
Kent, Rockwell.....Tarrytown, N. Y.
Lobo, Arthur.....(Mhtn) New York City
Marcus, Bertram Nathan.....(Mhtn) New York City
Merritt, Clarence Conklin.....(Mhtn) New York City
Percy, Harold Fairfax.....Chatham, N. Y.
Sears, William Hatfield.....Fabius, N. Y

SMITH, WILSON LEVERING, A.B., *Johns Hopkins*.....Baltimore, Md.
SQUIRES, FREDERICK, A.B., *Williams*.....(Mhtn) New York City
STURDEVANT, THOMAS KIRKBRIDE, B.S., *Princeton*,.....Wilkesbarre, Pa.

## SECOND YEAR CLASS

| | |
|---|---|
| Mining Engineers | 43 |
| Civil " | 29 |
| Electrical " | 34 |
| Mechanical " | 27 |
| Metallurgists | 2 |
| Chemists | 6 |
| Architects | 16 |
| | 157 |

## FIRST YEAR CLASS

### MINING ENGINEERS

ANDERSON, GLENN.....White Sulphur Springs, Mont.
ARKELL, JAMES, Jr.....(Mhtn) New York City
AUERBACH, HERBERT SAMUEL.....Salt Lake City, Utah
BAUERNEBL, AUGUST JOSEPH, Jr.....Newark, N. J.
BRAUNSTEIN, RALPH.....London, England
BUELL, THOMAS RECTOR.....Herndon, Va.
CARNAHAN, LEE.....Cadiz, O.
CASSEBEER, EDWIN WILLIAM.....(Mhtn) New York City
CRUGER, JAUNCEY.....(Bklyn) New York City
DANTZIGER, CLARENCE T.....(Mhtn) New York City
DECKER, CARL HENRY, A.B., *Wartburg College*.....Albuquerque, N. Mex.
DE SALLIER DU PIN, RENÉ ALEXANDER.....Watertown, N. Y.
DOON, CHARLES WEBSTER.....(Mhtn) New York City
DUNN, DREW HAVEN.....Ithaca, N. Y.
DYER, HAROLD PENNACK.....St. Paul, Minn.
ERNEST, HERMANN RICHARD.....Canelas, Mexico
FLUHRER, LEWIS PULLMAN.....(Mhtn) New York City
FRANC, CARL BENJAMIN, Jr.....(Bklyn) New York City
FRANK, ALBERT.....(Mhtn) New York City
GILROY, ARTHUR SHERIDAN.....(Mhtn) New York City
HAHNEL, AUGUST FRANK.....(Mhtn) New York City
HALL, CHARLES GALLUP.....Spokane, Wash
HILLHOUSE, JOHN TEN EYCK.....Yonkers, N. Y.
HIRSCHBERG, CARL NELSON.....Buffalo, N. Y.
HOUSE, HENRY ARTHUR.....Duluth, Minn.
JOHNSON, ROBERT MCLEOD.....Newark, N. J.
KRANT, MAX.....(Mhtn) New York City
LAWRIE, HAROLD NEWBOLD.....Atlantic Highlands, N. J
MCCURDY, ELLIOTT STEELE.....Wilmington, Del.
MALLALIEU, WILLARD CONVERSE.....Jersey City, N. J.
MILTENBERGER, GEORGE, Jr.....St. Louis, Mo.
MITCHELL, WILLIAM SPINGLER.....(Mhtn) New York City
NICOLL, GILBERT LEE.....(Mhtn) New York City
NORRIS, EDWARD MERRITT.....(Mhtn) New York City
PAYSON, HAROLD.....Bristol, R. I.
PORTER, JESSE COOMBS.....(Bklyn) New York City
POWELL, FREDERICK JAMES.....(Mhtn) New York City
RING, AMBROSE ELY.....(Mhtn) New York City
RODGER, CLARENCE ANDREW.....Hammond, N. Y.

ROGERS, ROBERT BENSON.....(Mhtn) New York City
ROLLE, SIDNEY.....(Mhtn) New York City
SCOTT, ARTHUR CLEVELAND.....Westchester, N. Y.
SHIPP, ELLSWORTH MALTBI.....Newburg, N. Y.
SILL, FRANK H.....Colorado Springs, Colo.
SILVERMAN, HERBERT LUPLIN.....Butte, Mont.
WALZ, ANDREW.....(Mhtn) New York City
WILCOX, SIDNEY HELMUTH.....(Mhtn) New York City
WILLETS, ROBERT HENRY.....Roslyn, N. Y.

### CIVIL ENGINEERS

ATKINS, ALFRED WALTON.....Roselle, N. J.
BEHRMAN, SAMUEL.....(Mhtn) New York City
BENHAM, WEBSTER LANCE.....(Mhtn) New York City
BODE, WILLIAM ADOLF.....(Mhtn) New York City
BRADY, THOMAS JOSEPH, Jr.....(Mhtn) New York City
CARLETON, ROBERT ANDREW WOOD.....Edgewater, N. J.
CORNELL, MILTON LONGACRE.....(Mhtn) New York City
COSTELLO, THOMAS JOSEPH.....(Mhtn) New York City
CROWELL, FRANCIS STIRLING.....(Q) New York City
DE LARA, FRANCIS BELASCO.....(Mhtn) New York City
DROLET, GODIAS J.....(Mhtn) New York City
GAUSMANN, ROY WARNER.....Leonia, N. J.
HEYMAN, WILLIAM.....Jersey City, N. J.
HUMPHREY FREDERIC LEAROYD.....(Bklyn) New York City
JACOBS, SYDNEY.....(Mhtn) New York City
LUCAS, ROBERT JAMES.....(Br) New York City
MCDONNELL, ALEXANDER JOSEPH.....(Mhtn) New York City
MALCOMSON, ALFRED SIDNEY.....Orange, N. J.
MATTHEWS, CHARLES EARL.....Newark, N. J.
NURICK, HENRY JOSEPH.....(Bklyn) New York City
OTT, CHARLES ADOLPH.....(Mhtn) New York City
OWEN, KENNETH DUNHAM.....Montclair, N. J.
RAYGADA, PEDRO EUGENIO.....(Mhtn) New York City
SCHIEFFELIN, GEORGE RICHARD DELAPLAINE.....(Mhtn) New York City
SCHWEGLER, GEORGE.....(Mhtn) New York City
SLOAN, JAMES ADAMS, Jr.....(Mhtn) New York City
STEEGMULLER, CHARLES ALBERT AUGUSTINE.....Norwalk, Conn.
VARONA, ENRIGUE AGUSTIN.....(Mhtn) New York City
VOM SAAL, FRED MAXIMILIAN VON H.....Tarrytown, N. Y.
WHITWELL, CUTLER BONESTELL.....(Mhtn) New York City
WILLIS, RUSSELL HENRY.....(Mhtn) New York City
WILSON, ROBERT CLIFFORD.....Newark, N. J.

### ELECTRICAL ENGINEERS

BLEYER, ARTHUR.....(Mhtn) New York City
BOLTON, ARTHUR THOMAS.....(Mhtn) New York City
BOOSS, FREDERICK E.....(Mhtn) New York City
BOWIE, WILLIAMSON BOURDETTE.....(Bklyn) New York City
BRADLEY, WALTER EDWARD.....(Mhtn) New York City
BRONSON, EZEKIEL STODDARD, A.B., *Yale*.....New Haven, Conn.
CARLEBACH, WALTER MAX.....(Mhtn) New York City
CARROLL, ARTHUR.....(Mhtn) New York City
CHANDLER, HENRY KING.....Pittsburg, Pa.
DROGE, HARMAN GRABAU.....Flushing, N. Y.
FINKEL, ISIDORE HENRY.....(Mhtn) New York City
GILLIES, JOHN WALLACE.....Flushing, N. Y.
HAAS, HENRY CHARLES.....(Mhtn) New York City

HAINES, EDWARD JOSEPH.....(Bklyn) New York City
HITCHCOCK, MILTON LLOYD.....(Mhtn) New York City
HOOPER, GEORGE HEBERTON, Jr.....(Mhtn) New York City
JOSEPHI, ROBERT.....(Mhtn) New York City
KNIGHT, CHARLES CUDLIPP.....(Mhtn) New York City
KOHLER, LOUIS FRANK.....(Bklyn) New York City
LANGLES, HENRI JUSTIN.....(Mhtn) New York City
MÜLLER, AUGUST MICHAEL.....(Mhtn) New York City
NADOLSKY, WILLIAM LEON.....(Mhtn) New York City
NEWCOMB, ROBERT COOK.....Whitehall, N. Y.
NEWTON, EARLE ROTH.....Haverstraw, N. Y.
ORTEGA, GERONIMO LUIS.....(Mhtn) New York City
PIERCE, WALTER LIDGERWOOD SMILLIE.....Scarborough-on-Hudson
ROCHESTER, THOMAS WALTER.....Jersey City, N. J.
SCHREIBER, HENRY WILLIAM, Jr.....(Bklyn) New York City
STEVENS, OSCAR EGERTON.....(Mhtn) New York City
TRIPPE, WILLIAM HERON.....East Orange, N. J.
TROMPEN, NICHOLAS J.....Ramsey's, N. J.
WARD, FREDERICK ELLIS.....(Mhtn) New York City
WHEELER, BURRITT NASH.....(Mhtn) New York City
WINETRAUB, ADOLPH ISRAEL M.....(Mhtn) New York City
WOLFF, WILLY AUGUST.....(Mhtn) New York City

MECHANICAL ENGINEERS

BATES, GUY.....Parsippany, N. J.
BENSON, CLYDE.....Nyack, N. Y.
BLICKENSDERFER, CLARK.....Denver, Colo.
BRADLEY, GEORGE ROWLAND.....(Mhtn) New York City
BROWN, BELDEN BAIN, Jr.....Stamford, Conn.
BULLEY, GEORGE WILSHEAR.....(Bklyn) New York City
BURCH, THOMAS HAMILTON, Jr.....(Mhtn) New York City
CARPENTER, HAROLD NATHANIEL.....North Hoosick, N. Y.
CONNELL, WILLIAM HENRY, Jr.....(Mhtn) New York City
COOKSON, JAMES SLOCUM.....Suffern, N. Y.
DE LA TORRE, MANUEL, A.B., *Havana University*.....(Mhtn) New York City
DUNCOMBE, FREDERIC HOWE.....Mt. Vernon, N. Y.
EWING, GEORGE ROSS MACKENZIE.....(Mhtn) New York City
FISHER, THOMAS EUSTACE.....Mt. Vernon, N. Y.
GULICK, JAMES CALBRAITH.....(Mhtn) New York City
HOLLMANN, FREDERICK WILLIAM.....(Mhtn) New York City
HUTTON, MANCIUS SMEDES.....(Mhtn) New York City
JONES, RUSSELL COMPTON.....(Mhtn) New York City
KING, CHARLES ARTHUR.....Plainfield, N. J.
LOCKWOOD, ANDREW FLETCHER.....(Mhtn) New York City
LOCKWOOD, FRANCIS WETMORE.....Jersey City, N. J.
MCINTYRE, MALCOLM.....(Mhtn) New York City
MEAD, RAYMOND HINMAN.....Newark, N. J.
MERRITT, LUCIUS ROBINSON.....(Mhtn) New York City
MILLWARD, JAMES BROOMFIELD.....(Mhtn) New York City
MORRIS, HOWARD IRVING.....(Bklyn) New York City
NAYLOR, GEORGE, Jr., II.....Peekskill, N. Y.
NUSIM, MELACH, A.B., *Lycee reale, Braila, Roumania*.....(Mhtn) New York City
PEETS, CLIFFORD, SPENCER.....(Mhtn) New York City
RAWOLLE, FREDERICK CARL.....(Bklyn) New York City
STRUSS, WILLIAM EDWARD.....(Mhtn) New York City
WAGSTAFF, ALFRED, Jr.....(Mhtn) New York City
WERNER, LESTER ARTHUR.....(Mhtn) New York City
WESTBROOK, FRANCIS ABEKEN.....(Bklyn) New York City

WORK, JOHN CLINTON.....Oyster Bay, N. Y.
WORTHINGTON, HENRY ROSSITER.....Irvington-on-the-Hudson, N. Y.

METALLURGIST

WILLIAMS, REMSEN TAYLOR.....(Q) New York City

CHEMISTS

BOISSE, PIERRE SETH.....(Mhtn) New York City
BOYNTON, WILLIAM H.....Nyack, N. Y.
DEWEY, SETH BRADFORD.....(Bklyn) New York City
DOTY, HENRY SAFFORD.....Yonkers, N. Y.
GOODELL, JOSEPH EDWARD, A.B., *Franklin* and *Marshall*.....(Mhtn) New York City
HAHN, ALBERT WILLIAM.....(Mhtn) New York City
HOLLIDAY, EDGAR PERCY.....(Bklyn) New York City
METTLER, ARTHUR JULIUS.....(Bklyn) New York City
NIEDER, PHILIP GEORGE.....Fanwood, N. J.
RUPP, FREDERICK LOUIS.....(Mhtn) New York City
SARTORIUS, OTTO WERNER.....(Bklyn) New York City
WIGGIN, ROLLIN HENRY.....Orange, N. J.

ARCHITECTS

BARNEY, JAMES WHITNEY, A.B., *Yale*.....(Mhtn) New York City
BOTTOMLEY, WILLIAM LAWRENCE.....(Mhtn) New York City
BROWN, BEDFORD.....Washington, D. C.
BUTTERFIELD, WILLIAM HAROLD.....East Orange, N. J.
CRANE, THEODORE.....(Mhtn) New York City
CURTIS, NATHANIEL CORTLANDT, Ph.B., *University of North Carolina*..Southport, N. C.
DANA, RICHARD HENRY, Jr., A.B., *Harvard*.....Cambridge, Mass.
DUVAL, REIMAN GORDON.....(Mhtn) New York City
ESSELBORN, CARL ADOLPH.....(Mhtn) New York City
FRANCIS, WILLIAM CARSON.....Buffalo, N. Y.
HAXBY, ROBERT VAN LOAN.....(Mhtn) New York City
JONES, THEODORE MAXWELL.....(Mhtn) New York City
KEDIAN, WALTER MARTIN.....(Mhtn) New York City
LINSLY, WILFORD W., A.B., *Yale*.....(Mhtn) New York City
MCDONALD, ANGUS SNEAD.....Jersey City, N. J.
MARR, ADDISON GRAHAM, B.S., *Princeton*.....Shamokin, Pa.
MILLER, THOMAS, Jr.....(Mhtn) New York City
OBERLANDER, HENRY CHARLES.....(Mhtn) New York City
PECK, HOWARD MORRELL.....(Mhtn) New York City
RANDOLPH, HOWARD STELLE FITZ.....(Mhtn) New York City
RAY, EDWARD RUSSELL, A.B., *Lake Forest University*.....Evanston, Ill.
SAVAGE, LESLIE LORING.....(Mhtn) New York City
SCOTT, FITZHUGH.....Atlanta, Ga.
TURNBULL, BAYARD, A.B., *Johns Hopkins*.....Baltimore, Md.
TYLER, ERNEST FRANKLIN.....New Haven, Conn.
VIGOUROUX, GUSTAVE GEORGE.....(Mhtn) New York City
WALLS, FRANKLIN JASPER.....Albany, N. Y.
WATERMAN, FRANCIS ELY, A.B., *Trinity College*.....(Mhtn) New York City

FIRST YEAR CLASS

| | |
|---|---|
| Mining Engineers | 48 |
| Civil " | 32 |
| Electrical " | 35 |
| Mechanical " | 36 |
| Metalurgist | 1 |
| Chemists | 12 |
| Architects | 28 |
| | 192 |

SPECIAL STUDENTS

ADAMS, MASON TYLER, A.B., *Yale*.....Amherst, Mass.
BARNES, ROLAND LOUIS.....Montclair, N. J.
BAUER, CHARLES HENRY.....(Mhtn) New York City
CRANE, GERALD ALLEN, A.B., *Cambridge University*.....London, England
DEAN, EDWARD CLARENCE, Ph.B., *Yale*.....Washington, D. C.
ELLSWORTH, LINCOLN.....(Mhtn) New York City
EMERSON, EDWARD HOPKINS, A.B., *Amherst*.....Amherst, Mass.
ESQUERRÉ, EDMOND.....(Mhtn) New York City
FENTON, WARDEN HANOVER.....Philadelphia, Pa.
GRIFFIN, GEORGE FRANCIS.....(Mhtn) New York City
GUYER, RAYMOND.....Lima, Peru
HOGLE, JAMES ALBERT, Ph.B., *Yale*.....(Mhtn) New York City
JACOCKS, HAROLD HUNTINGTON, A.B., *Columbia*.....(Mhtn) New York City
KINSEY, REGINALD GEORGE.....Southampton, England
LYSLE, WALTER S.....Pittsburg, Pa.
MCCUNE, RAYMOND.....Salt Lake City, Utah
MEEKS, REGINALD.....(Mhtn) New York City
MOORE, BENJAMIN BURGES, A.B., *Yale*.....(Mhtn) New York City
MORLEY, WILLIAM RAYMOND, C.E., *Penn. Military College*.....Datil, N. Mex.
PAGE, WILLIAM MARSHALL.....(Mhtn) New York City
PALMENBERG, OSCAR WALTER.....(Mhtn) New York City
PITT, LEWIS PERCY.....Waterbury, Conn.
RIVERA, JOSÉ M.....Palmira, Colombia, S. A.
RULAND, NORMAN, A.B., *Harvard*.....(Bklyn) New York City
RUSS, WILLIAM EARL.....Dayton, O.
STARR, CHARLES COMFORT, Ph.B., *Yale*.....Cornwall, Conn.
STAUFFER, RALPH MILTON, C.E., *Princeton*.....(Mhtn) New York City
STRUYK, JOHN S.....Paterson, N. J.
TAYLOR, JACKSON.....Newburgh, N. Y.
TIBBALS, AUSTIN.....Marlborough, N. Y.
TIFFANY, GILMAN PARRIS.....Newburgh, N. Y.
WARRIN, RICHARD HALSTEAD, Ph.B., *Yale*.....Cooperstown, N. Y.
WHEELER, SHELTON KING, A.B., *Yale*.....(Mhtn) New York City
WHITE, FRANK GEORGE, B.S., *Iowa State University*.....Winterset, Iowa
WHITESIDE, GEORGE WALTER, B.S., *N. Y. City College*.....(Mhtn) New York City
WILSON, ALBERT EDWARD.....(Mhtn) New York City

Special Students..... 36

CANDIDATES FOR THE DEGREE OF MASTER OF ARTS

FACH, CHARLES ALBERT.....St. Louis, Mo.
University of Missouri, B.S., 1901.
*Mining, Geology, Metallurgy.*

LUCKE, CHARLES EDWARD.....(Mhtn) New York City
N. Y. City College, B.S., 1895.
N. Y. University, M.S., 1898.
*Mechanical Engineering, Mechanics, Physics.*

MORGAN, JOHN ARTHUR.....Slatington, Pa.
Lafayette College, E.E., 1901.
*Electrical Engineering, Mechanics, Mechanical Engineering.*

NEUS, ENGELBERT.....(Mhtn) New York City
N. Y. City College, B.S., 1893.
*Architecture, Greek.*

For Degree of Master of Arts..... 4

CANDIDATES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

BRADFORD, ROBERT HENRY.....Salt Lake City, Utah
University of Utah, B.S., 1895.
*Metallurgy, Mining, Geology.*

CAMPBELL, WILLIAM.....Worcester, England
Durham University, England, B.S., 1898.
*Metallurgy, Geology.*

FERNALD, ROBERT HEYWOOD.....(Mhtn) New York City
University of Maine, B.M.E., 1892.
Case School of Applied Science, M.E., 1898.
Columbia University, A.M., 1901.
*Mechanical Engineering.*
For Degree of Doctor of Philosophy..... 3

## SUMMARY

### UNDERGRADUATE STUDENTS

| | First Year | Second Year | Third Year | Fourth Year | Totals |
|---|---|---|---|---|---|
| SCHOOL OF MINES: | | | | | |
| Mining Engineering | 48 | 43 | 33 | 17 | 141 |
| Metallurgy | 1 | 2 | 3 | 1 | 7 |
| SCHOOL OF CHEMISTRY | 12 | 6 | 12 | 5 | 35 |
| SCHOOL OF ENGINEERING: | | | | | |
| Civil Engineering | 32 | 29 | 21 | 12 | 94 |
| Electrical Engineering | 35 | 34 | 21 | 24 | 114 |
| Mechanical Engineering | 36 | 27 | 28 | 18 | 109 |
| SCHOOL OF ARCHITECTURE | 28 | 16 | 13 | 15 | 72 |
| | 192 | 157 | 131 | 92 | 572 |

| | | |
|---|---|---|
| Special Students | | 36 |
| Graduate Students: | | |
| For Degree of Master of Arts | 4 | |
| " " " Doctor of Philosophy | 3 | 7 |
| STUDENTS PRIMARILY REGISTERED UNDER THIS FACULTY | | 615 |
| STUDENTS FROM OTHER FACULTIES OF THE UNIVERSITY: | | |
| From the College | | 3 |
| TOTAL | | 618 |

NOTE

At Columbia, the Faculties of Philosophy, Political Science, and Pure Science conduct the work frequently organized in the United States in a graduate school. The organization by separate faculties is preferred at Columbia, because it more clearly differentiates the work of a college from that of a university, the chief object of the former being to give a liberal education, and the chief object of the latter to make specialists, and more clearly distinguishes the main lines of university work from each other; and, also, because it is hoped at Columbia, in course of time, to make all of the professional schools of the University graduate schools. The three Faculties of Philosophy, Political Science, and Pure Science conduct the non-professional work of the University. The details concerning each are given in the order of the establishment of the three faculties at Columbia University.

## SCHOOL OF POLITICAL SCIENCE

The following departments are represented in the Faculty:

| | |
|---|---|
| HISTORY | SOCIOLOGY |
| POLITICAL PHILOSOPHY | CONSTITUTIONAL LAW |
| POLITICAL ECONOMY AND STATISTICS | ADMINISTRATIVE LAW |
| FINANCE | INTERNATIONAL LAW |
| ECONOMIC THEORY | ROMAN LAW AND COMPARATIVE JURISPRUDENCE |

### Officers of the Faculty

JOHN W. BURGESS, Ph.D., LL.D. . . . *Dean and Ex-Officio Member of the University Council*

MUNROE SMITH, J.U.D. . . . . *Secretary and Elected Delegate to the University Council*

### The Faculty

NICHOLAS MURRAY BUTLER, LL.D., *Acting President*

JOHN W. BURGESS, Ph.D., LL.D. . . . *Professor of Political Science and Constitutional Law*

MUNROE SMITH, A.M., J.U.D. . . . *Professor of Roman Law and Comparative Jurisprudence*

FRANK J. GOODNOW, LL.D. . . . . *Professor of Administrative Law*

EDWIN R. A. SELIGMAN, LL.B., Ph.D. . . . *Professor of Political Economy and Finance*

HERBERT L. OSGOOD, Ph.D. . . . . *Professor of History*

WILLIAM A. DUNNING, Ph.D., *Professor of History and Political Philosophy*

JOHN BASSETT MOORE, LL.D....*Hamilton Fish Professor of International Law and Diplomacy*
FRANKLIN H. GIDDINGS, Ph.D., LL.D.....*Professor of Sociology*
JOHN B. CLARK, Ph.D., LL.D.....*Professor of Political Economy*
JAMES HARVEY ROBINSON, Ph.D.....*Professor of History*
WILLIAM MILLIGAN SLOANE, Ph.D., L.H.D., LL.D....*Seth Low Professor of History*

**Other Officers**

HARRY A. CUSHING, LL.B., Ph.D....*Lecturer in History and Constitutional Law*
WILLIAM Z. RIPLEY, Ph.D....*Prize Lecturer*, 1899–1902, *on European Demography*
GEORGE JAMES BAYLES, Ph.D...*Prize Lecturer*, 1900–1903, *on Ecclesiastical Organization and Government in the United States*

## GENERAL STATEMENT

The Faculty of Political Science has charge of the university courses of instruction and research in political and social science, including history, economics, public law and comparative jurisprudence.

The School of Political Science was opened on Monday, the fourth day of October, 1880.

It is the purpose of the school to give a complete general view of all the subjects of public policy, both internal and external, from the threefold point of view of history, law, and philosophy. The prime aim is, therefore, the development of all the branches of the political and social sciences. The secondary and practical objects are:

(*a*) To fit young men for all political branches of the public service.

(*b*) To give an adequate economic and legal training to those who intend to make journalism their profession.

(*c*) To supplement, by courses in public law and comparative jurisprudence, the instruction in private municipal law offered by the Faculty of Law.

(*d*) To educate teachers of history, economics, social science, public law, and jurisprudence.

To these ends courses of study are offered of sufficient duration to enable the student not only to attend the lectures and recitations with the professors, but also to consult the most approved treatises upon the political sciences and to study the sources of the same.

Young men who wish to obtain positions in the United States civil service—especially in those positions for which special examinations are held—will find it advantageous to follow many of the courses under the Faculty of Political Science. Some of the subjects upon which applicants for these positions are examined are treated very fully in the curriculum of the school. Thus, extended courses of lectures are given on political history, diplomatic history and international law, government, statistics, finance, and administration.

Courses are also offered on colonial history and administration, colonial economics, the governmental organization of the territories and dependencies of the United States, and Spanish civil law.

The work in economics and sociology falls under three heads, viz.,: the university courses of instruction in the various departments of economics and social science, the work in the statistical laboratory, and the "field-work," or practical work in connection with the Charity Organization Society, the Brooklyn Bureau of Charities, the State Charities Aid Association, the University Settlement Society of New York City, and the East Side House. These are fully explained in the detailed circular of the School of Political Science.

## ADMISSION AND ATTENDANCE

Every student is required to file a list of his studies for the academic year at the time he registers, or within one week thereafter, at the office of the Registrar. If he subsequently wishes to make any change in his studies he must file written notice of his wish at the Dean's office, and must obtain the assent of the Dean.

Immediate written notice must be given to the Dean of any change of address.

Admission to the School of Political Science does not imply admission to candidacy for a degree. The conditions of candidacy for the several degrees are given below.

## ADMISSION TO OTHER COURSES

Any duly matriculated university student is at liberty to combine, without any additional fee, courses of study and investigation under this Faculty with courses offered by other Faculties of the University, and with courses offered in the College.

## FEES

(See page 19)

## CANDIDATES FOR A DEGREE

Students are received as candidates for the degree of Master of Arts, Master of Laws, or Doctor of Philosophy.

If the applicant is a candidate for a degree, he must file a certificate furnishing evidence of his completion of the junior year, or if he holds a degree from any institution, he must file diplomas or certificates sufficient to furnish evidence of such degree or degrees. Blanks for this purpose may be secured at the office of the Registrar. Certificates of graduation or dismissal from institutions of learning in foreign countries are also accepted. The certificates should be accompanied by catalogues or calendars of the colleges or other institutions of advanced grade at which the student has previously studied, which must be marked so as to show clearly his course of study there.

This condition may be dispensed with in the case of those colleges and institutions whose bachelor's degree is recognized by the University Council as a basis for the higher degrees.

Students may present themselves for examination for the degree of Ph.D. at any time during the year, whenever the requirements have been complied with. For these requirements see page 203–209.

## COURSES OF INSTRUCTION

For the courses offered in 1901–1902, see statement under groups of subjects, as follows:

**History and Political Philosophy,** page 116.
**Public Law and Comparative Jurisprudence,** page 123.
**Economics and Social Science,** page 85.

For more detailed accounts of the courses and for the tender of 1902–1903, application should be made for the *Announcement of the Schools of Political Science, Philosophy, and Pure Science.*

### Seminars

Outside of the regular instruction in the various subjects by lecture, it is the practice to furnish the students of the school an opportunity for special investigation of historical, legal, economic, and social questions under the direction of the professors. This is done by means of original papers prepared by the students. The papers are read before the professor and the students, and are then criticised and discussed. There will be at least one seminar in each subject. The number of meetings and the topics to be discussed are determined each year. Attendance at the seminar in the major subject is necessary on the part of candidates for the degree of Master of Arts or Doctor of Philosophy.

There are also preliminary seminars in history and political economy, designed primarily for those who are not fully prepared for the more advanced work. A preliminary seminar taken by a senior in the College will count for one point toward the degree of Bachelor of Arts. What courses are open to seniors in the College is indicated in the statements regarding History and Economics, pages 116 and 85.

## SCHOOL OF PHILOSOPHY

The following departments are represented in the Faculty:

COMPARATIVE LITERATURE
ENGLISH
GERMANIC LANGUAGES AND LITERATURES
GREEK LANGUAGE AND LITERATURE
INDO-IRANIAN LANGUAGES
LATIN LANGUAGE AND LITERATURE
MUSIC
PHILOSOPHY AND EDUCATION
PSYCHOLOGY AND ANTHROPOLOGY
ROMANCE LANGUAGES AND LITERATURES
SEMITIC LANGUAGES

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### Officers of the Faculty

EDWARD DELAVAN PERRY, Ph.D. . . *Acting Dean and Ex-Officio Member of the University Council*
GEORGE RICE CARPENTER, A.B. . . . . *Secretary*
WILLIAM HENRY CARPENTER, Ph.D. . . *Elected Delegate to the University Council*

### The Faculty

NICHOLAS MURRAY BUTLER, LL.D., *Acting President*
THOMAS RANDOLPH PRICE, M.A., LL.D. . . *Professor of the English Language and Literature*
HARRY THURSTON PECK, Ph.D., LL.D. . . *Professor of the Latin Language and Literature*
NICHOLAS MURRAY BUTLER, Ph.D., LL.D. . . . . *Professor of Philosophy and Education, and Dean*
WILLIAM HENRY CARPENTER, Ph.D. . . *Professor of Germanic Philology*
JAMES MCKEEN CATTELL, Ph.D. . . . . *Professor of Psychology*
EDWARD DELAVAN PERRY, Ph.D. . . *Jay Professor of the Greek Language and Literature*
ABRAHAM VALENTINE WILLIAMS JACKSON, L.H.D., Ph.D. . . *Professor of Indo-Iranian Languages*
ADOLPHE COHN, LL.B., A.M. . . *Professor of the Romance Languages and Literatures*

GEORGE EDWARD WOODBERRY, A.B. . . . . *Professor of Comparative Literature*
BRANDER MATTHEWS, D.C.L., Litt.D. . *Professor of Dramatic Literature*
RICHARD JAMES HORATIO GOTTHEIL, Ph.D. . . . *Professor of Rabbinical Literature and the Semitic Languages*
HENRY ALFRED TODD, Ph.D. . . . . *Professor of Romance Philology*
GEORGE RICE CARPENTER, A.B. . . . . *Professor of Rhetoric and English Composition, and Secretary*
JAMES RIGNALL WHEELER, Ph.D. . . . . *Professor of Greek*
JAMES CHIDESTER EGBERT, Jr., Ph.D. . *Professor of Roman Archæology and Epigraphy*
*JAMES HARVEY HYSLOP, Ph.D. . . . . *Professor of Logic and Ethics*
CALVIN THOMAS, A.M. . . . *Gebhard Professor of the Germanic Languages and Literatures*
CARLO LEONARDO SPERANZA, LL.B., A.M. . . . . *Adjunct Professor of the Romance Languages and Literatures*
EDWARD ALEXANDER MACDOWELL, Mus. Doc. . . . . *Professor of Music*
FRANZ BOAS, Ph.D. . . . . *Professor of Anthropology*
JAMES EARL RUSSELL, Ph.D. . . . . *Professor of the History of Education*
FRANK MORTON MCMURRY, Ph.D. . *Professor of the Theory and Practice of Teaching*
WILLIAM PETERFIELD TRENT, M.A., LL.D. . . . *Professor of the English Language and Literature*
MORTIMER LAMSON EARLE, Ph.D. . . . . *Professor of Classical Philology*
GONZALEZ LODGE, Ph.D., LL.D. . . . . *Professor of Latin and Greek in Teachers College*
NELSON GLENN MCCREA, Ph.D. . . . . *Adjunct Professor of Latin*
CLARENCE HOFFMAN YOUNG, Ph.D. . . . . *Adjunct Professor of Greek*
LIVINGSTON FARRAND, A.M., M.D. . . . *Adjunct Professor of Psychology*
SAMUEL TRAIN DUTTON, A.M. . *Professor of School Administration in Teachers College*
PAUL MONROE, Ph.D. . . . *Adjunct Professor of the History of Education in Teachers College*

NOTE—For details as to other officers of instruction, see departmental statements.

## GENERAL STATEMENT

The Faculty of Philosophy has charge of the university courses of instruction and research in philosophy, philology, and letters. Any duly matriculated university student is at liberty to combine courses of study and investigation under this Faculty with courses offered by the Faculties of Law, Medicine, Political Science, Pure Science, and Applied Science.

* Absent on leave

Students are received either as candidates for the degrees of Master of Arts and Doctor of Philosophy, or to pursue special or partial courses. Some courses of lectures are open to the public, men and women alike, on payment of an auditor's fee. No auditor will be admitted to any course without the consent of the instructor, previously obtained. Auditors do not have, and cannot receive, any university recognition whatever.

Students enrolled either in the General, the Union, or the Jewish Theological Seminary, in the City of New York, or in the Drew Theological Seminary at Madison, N. J., who may be designated for the privilege by the authorities of those institutions, and accepted by the President of Columbia University, are admitted to the courses offered by the Faculty of Philosophy free of any charge for tuition.

Students enrolled in the Art Schools of the Metropolitan Museum of Art, who may be designated for the privilege by the authorities of those schools, and accepted by the President of Columbia University, are permitted to attend the course of lectures on archæology and æsthetics free of any charge of tuition.

Duly qualified students of Teachers College are permitted to enter the courses offered by the Faculty of Philosophy, either as candidates for degrees or as special students.

All of these institutions offer reciprocal privileges to students of Columbia University.

## ADMISSION AND ATTENDANCE

Candidates for the degrees of Master of Arts and Doctor of Philosophy must hold a bachelor's degree from some college in good standing, or present satisfactory evidence of having completed an equivalent course of study at a foreign institution, and must remain in residence for not less than one and two years, respectively. They are required to pursue courses of study and research in one major and two minor subjects, the number of hours of attendance per week being adjusted to the needs and demands of the individual student. University residence of not less than three years is usually necessary in order to obtain the degree of Doctor of Philosophy.

In the Faculty of Philosophy admission as a regular student or as a candidate for the degree of Master of Arts does not admit to candidacy for the degree of Doctor of Philosophy. Only those students are admitted to candidacy for the degree of Doctor of Philosophy who

1. Are recommended for such candidacy by the heads of the departments in which their major and minor subjects of study lie;
2. Are certified as to their ability to read French and German by the heads of those departments;
3. Are certified as to their ability to read Latin by the head of that department; provided that students whose major subject is

psychology, anthropology, education, or music shall not be required to meet this test when it is certified by the professor in charge of their major subject that an ability to read Latin is not necessary for the proper prosecution of their researches.

When a student is admitted to candidacy for the degree of Doctor of Philosophy, he may be credited with his past period of university residence, at Columbia, or elsewhere, or with so much thereof as may be determined by the Dean and the professor in charge of the candidate's major subject.

Students who are not candidates for a degree are admitted to any courses which they are found competent to undertake. Such students must, however, possess the qualifications for admission named above.

There are no examinations for admission, either as candidates for a degree or as special students. Students are admitted at any time during the year, and may present themselves for examination for a degree whenever the requirements as to residence and an essay or dissertation have been complied with.

For fees see page 19.

## COURSES OF STUDY AND RESEARCH

For the courses offered for 1901–1902, see departmental statements as follows:

**Philosophy and Education,** page 154.
**Psychology and Anthropology,** page 154.
**Greek (including Archæology and Epigraphy),** page 113.
**Latin (including Epigraphy and Roman Archæology),** page 120.
**English,** page 103.
**Comparative Literature,** page 82.
**Music,** page 140.
**Germanic Languages,** page 108.
**Romance Languages:**
- **French,** page 172.
- **Italian,** page 174.
- **Spanish,** page 174.
- **Provençal,** page 174.
- **Portuguese and Rumanian,** page 175.
- **Romance Philology,** page 175.

**Oriental Languages:**
- **Semitic Languages,** page 146.
- **Indo-Iranian,** page 144.

**Science of Language,** page 146.

*Courses at the Union Theological Seminary*

**New Testament Greek,** page 113.
**Ethics,** page 154.
**Philosophy of Religion,** page 154.

For the courses to be offered for 1902–1903, application should be made for the announcements of the Schools of Philosophy, Political Science, and Pure Science, and the various departmental circulars, which may be had after April 15.

## SCHOOL OF PURE SCIENCE

The following departments are represented in the Faculty:

| | |
|---|---|
| ANATOMY | MATHEMATICS |
| ASTRONOMY | MECHANICS |
| BACTERIOLOGY | MINERALOGY |
| BOTANY | PHYSICS |
| CHEMISTRY | PHYSIOLOGY |
| GEOLOGY | ZOÖLOGY |

### Officers of the Faculty

ROBERT S. WOODWARD, C.E., Ph.D. . . . *Dean and Ex-Officio Member of the University Council*

WILLIAM HALLOCK, A.B., Ph.D. . . . . *Secretary*

EDMUND B. WILSON, Ph.D., LL.D. . . . *Elected Delegate to the University Council*

### The Faculty

NICHOLAS MURRAY BUTLER, LL.D., *Acting President*

J. HOWARD VAN AMRINGE, Ph.D., L.H.D., LL.D. . *Professor of Mathematics*

OGDEN N. ROOD, A.M., LL.D. . . . . *Professor of Physics*

CHARLES F. CHANDLER, M.D., Ph.D., LL.D., Sc.D. . *Professor of Chemistry*

JOHN K. REES, E.M., Ph.D. . *Professor of Astronomy, and Director of the Observatory*

JOHN G. CURTIS, M.D. . . . . *Professor of Physiology*

ALFRED J. MOSES, E.M., Ph.D. . . . . *Professor of Mineralogy*

GEORGE S. HUNTINGTON, M.D. . . . . *Professor of Anatomy*

HENRY FAIRFIELD OSBORN, Sc.D., LL.D. . . . . *Da Costa Professor of Zoölogy*

EDMUND B. WILSON, Ph.D., LL.D. . . . . *Professor of Zoölogy*

JAMES F. KEMP, A.B., E.M. . . . . *Professor of Geology*

WILLIAM HALLOCK, Ph.D. . *Adjunct Professor of Physics, and Secretary*

MICHAEL I. PUPIN, Ph D. . . . . *Professor of Electro-Mechanics*

T. MITCHELL PRUDDEN, M.D., LL.D. . . . . *Professor of Pathology*

ROBERT S. WOODWARD, C.E., Ph.D. . . . *Professor of Mechanics and Mathematical Physics, and Dean*

THOMAS SCOTT FISKE, Ph.D. . . . . *Professor of Mathematics*

HAROLD JACOBY, Ph.D. . . . . *Adjunct Professor of Astronomy*
FRANK N. COLE, Ph.D. . . . . *Professor of Mathematics*
FREDERIC S. LEE, Ph.D. . . . . *Adjunct Professor and Demonstrator of Physiology*
BASHFORD DEAN, Ph.D. . . . . *Adjunct Professor of Zoölogy*
LUCIEN MARCUS UNDERWOOD, Ph.D. . . . . *Professor of Botany*
JAMES MACLAY, C.E., Ph.D. . . . . *Adjunct Professor of Mathematics*
EDMUND HOWD MILLER, Ph.D. . *Adjunct Professor of Analytical Chemistry and Assaying*
MARSTON TAYLOR BOGERT, A.B., Ph.B. . *Adjunct Professor of Organic Chemistry*
J. LIVINGSTON RUTGERS MORGAN, Ph.D. . *Adjunct Professor of Physical Chemistry*
HENRY E. CRAMPTON, Jr., Ph.D. . . . . *Adjunct Professor of Zoölogy*

## GENERAL STATEMENT

The Faculty of Pure Science has charge of the university courses of instruction and research in all branches of pure science, and especially the supervision of candidates for the degrees of Master of Arts and Doctor of Philosophy in pure science. Students under other university faculties are also at liberty to pursue courses of study and investigation under this Faculty.

Candidates for the higher degrees taking major subjects in pure science will be regarded as under the special jurisdiction of this Faculty.

In the Faculty are represented all the departments of the University which give instruction in pure science.

Graduate students, candidates for the degree of Master of Arts or Doctor of Philosophy, are subject:

1. To the general regulations of the University Council. (See pages 203–209.)
2. To the special regulations of this Faculty.

### Special Regulations of the Faculty of Pure Science

The degree of Doctor of Philosophy is awarded on the basis of a thorough training in the methods of advanced work and investigation in some branch of science. The following statements are offered for the guidance of students. In the case of students of especial ability or exceptional previous training, the Faculty may modify its usual regulations.

The student is expected to gain a sound general knowledge of the two minor subjects of his choice. In the major subject a much more thorough and special knowledge is required, particular importance being attached to training in research. In order to avoid undue specialization, no two subjects may be chosen from the same department without the consent of the Faculty.

One year's study in residence in the University is required for the

degree of Master of Arts, and three years' study for the degree of Doctor of Philosophy, at least one year of which shall be in residence. Candidates for either of these degrees are expected to devote at least one half their time throughout their course of study to the major subject. In the case of laboratory courses this implies two days a week, or its equivalent, as determined by each department. Each minor subject is intended to occupy approximately one fourth of the time during one year for the degree of Master of Arts, and during one or two years, according to the nature of the subject and the previous training of the candidate, for the degree of Doctor of Philosophy. It is expected that the third year of study, and in certain cases both the second and the third years, will be wholly devoted to the major subject and to investigation for the dissertation.

The approval of the subject of the essay required for the degree of Master of Arts, or the subject of the dissertation required for the degree of Doctor of Philosophy, as well as the essay or dissertation itself, rests with the instructor in charge of the candidate's major subject. It is desirable that these studies should be related, and, when practicable, that they should be treated respectively as preliminary and completed investigations. Great importance is attached to the character of the final dissertation. While it must depend for acceptance chiefly on the subject-matter, it should show good literary workmanship, especially by directness and clearness of statement. It should demonstrate the author's capacity to do original scientific work, and to render an intelligible account thereof. It should evince a familiarity with the literature of the subject, and with the latest methods of research applicable to it. The treatment should be as concise as the nature of the work permits. Every dissertation should be preceded by a clear introductory statement setting forth the nature and the scope of the research, and be followed by a résumé of the results and the conclusions obtained. It should also be accompanied by a table of contents and by a list of the authorities consulted in its preparation.

### Special Students

Students who are not candidates for a degree may be permitted to pursue such courses from among those offered by this Faculty as they may be found qualified to enter upon. Each applicant must demonstrate his preparation for, and his ability to pursue, the course or courses selected, and of his qualifications the heads of the departments in which he proposes to study shall be the judges. In general these special courses are open only to advanced students.

## COURSES OF STUDY

For the courses offered for 1901–1902, see departmental statements as follows:

**Anatomy,** page 61.
**Astronomy,** page 69.
**Bacteriology,** page 151.
**Botany,** page 71.
**Chemistry,** page 77.
**Geology,** page 107.
**Mathematics,** page 125.
**Mechanics,** page 128.
**Mineralogy,** page 133.
**Physics,** page 163.
**Physiology,** page 168.
**Zoölogy,** page 178.

For more detailed accounts of the courses and for the tender of 1902–03, application should be made for the *Announcement of the Schools of Political Science, Philosophy, and Pure Science.*

## REGISTER OF STUDENTS

### Under the Faculties of Political Science, Philosophy, and Pure Science

ABELL, WILLIAM MAITLAND ..... Mt. Vernon, N. Y.
Yale University, A.B., 1887; A.M., 1898.
New York University, LL.M., 1894.
*Administrative Law, Constitutional Law, American History.*

†ABRAMOWITZ, HERMAN ..... (Mhtn) New York City
College of the City of New York, A.B., 1900.
*Philosophy, Education, Semitics.*

†ADAMS, JOHN WILLIAM ..... Worcester, Mass.
Cornell University, A.B., 1901.
*Education, Mathematics.*

†AFFELD, ANTOINETTE ..... (Bklyn) New York City
Vassar College, A.B., 1901.
*Education, German.*

*ALGER, LEWIS BURTON ..... St. Joseph, Mich.
University of Michigan, Ph.B., 1897.
Columbia University, A.M., 1901.
*Education, Psychology.*

ALLEN, LUCY BRANCH ..... (Mhtn) New York City
Wellesley College, A.B., 1897.
*Comparative Literature.*

ALLYN, EDNA ISABEL ..... Ottumwa, Ia.
Hiram College, Ph.B., 1882.
*Latin, English, Education.*

ATKINSON, JOHN HAMPTON ..... (Mhtn) New York City
Ohio University, Ph.B., 1897.
Columbia University, A.M., 1901.
*English, Education.*

ATWOOD, CALVIN PARMELE ..... Lincoln, Neb.
Nebraska State University, A.B., 1900.
*English, Sociology and Statistics, European History.*

*BACHMAN, FRANK PUTERBAUGH ..... Mackinaw, Ill.
University of Chicago, A.B., 1896.
*Education, Psychology.*

BACON, HELEN ESTELLE ..... (Mhtn) New York City
University of Michigan, Ph.B., 1892.
*Comparative Literature.*

BADANES, SAUL ..... (Q) New York City
Teachers College of Wilna, Russia, 1882.
New York University, Pd.D., 1895.
*Education, Psychology, English.*

BAKER, FRANK CLYDE ..... (Bklyn) New York City
Oberlin College, A.B., 1886.
Yale University, B.D., 1890.
New York Law School, LL.B., 1900.
*Constitutional Law, Administrative Law.*

* Also a candidate for the Higher Diploma, Teachers College.
† Also a candidate for the Secondary Diploma, Teachers College.

BAILEY, NORRIS CALEB.....East Berlin, Conn.
Wesleyan University, B.S., 1899.
*Mathematics, Mechanics, Education.*

BAIR, JOSEPH HERSHEY.....Hall, Pa.
Michigan University, Ph.B., 1900; A.M., 1901.
*Psychology, Anthropology, Sociology, and Statistics.*

*BALDWIN, ARTHUR POND.....(Bklyn) New York City
College of the City of New York, A.B., 1876.
Columbia University, A.M., 1901.
*Education, Sociology, and Statistics.*

BALDWIN, FLORENCE THEODORA.....(Mhtn) New York City
Columbia University, A.B., 1900.
*Latin, Greek, Roman Archæology.*

BANKS, ENOCH MARVIN.....Grantville, Ga.
Emory College, A.B., 1897; A.M., 1900.
*Political Economy and Finance, Sociology and Statistics, American History.*

BARNETT, JAMES FOOTE.....Grand Rapids, Mich.
Yale University, A.B., 1891.
New York Law School, LL.B., 1893.
Columbia University, A.M., 1901.
*International Law, Administrative Law, Roman Law and Comparative Jurisprudence, European History.*

BARR, BERTHA.....(Mhtn) New York City
Wesleyan University, A.B., 1886; A.M., 1889.
*Greek.*

BATES, CHARLES DYER.....Fayetteville, Ark.
Cumberland Presbyterian Theological Seminary, B.D., 1897.
*Sociology and Statistics, Political Economy and Finance, English.*

†BATES, EMMA KATHARINE.....Leetonia, O.
Oberlin College, Ph.B., 1891.
*Education, Mathematics.*

*BAYNE, STEPHEN FIELDING.....(Mhtn) New York City
College of the City of New York, B.S., 1898.
*Education.*

BECKET, FREDERICK MARK.....(Mhtn) New York City
McGill University, B.A. Sc., 1895.
Columbia University, A.M., 1899.
*Chemistry, Electrical Engineering.*

BECKHARDT MOSES.....(Mhtn) New York City
College of the City of New York, B.S., 1894.
Columbia University, A.M., 1900.
*Philosophy, Sociology and Statistics, Semitics.*

BECKWITH, FRANCES A.....Utica, N. Y.
Vassar College, A.B., 1897.
*American History, Education, European History.*

†BEECHER, MARTHA ANNA.....Livonia Centre, N. Y.
Syracuse University, Ph.B., 1894.
*Education, Mathematics.*

BENNETT, HARRY BURTIS.....Storm Lake, Ia.
Cornell College, Ph.B., 1901.
*Political Economy and Finance, Sociology and Statistics, Constitutional Law.*

BERG, CLARA DE LISSA.....(Mhtn) New York City
Columbia University, A.B., 1898.
*Comparative Literature, European History.*

*BERGHANE, FREDERICK ALBERT.....(Mhtn) New York City
College of the City of New York, B.S., 1887.
*Education.*

* Also a candidate for the Higher Diploma, Teachers College.
† Also a candidate for the Secondary Diploma, Teachers College.

BIGELOW, LEWIS SHERRILL.....(Mhtn) New York City
Yale University, A.B., 1887; LL.B., 1889.
*Comparative Literature, European History.*

BILLIG, CLINTON AMBROSE.....Forreston, Ill.
Ohio Wesleyan University, A.B., 1898.
*Sociology and Statistics, Political Economy and Finance, Church History.*

BLACK, ROBERT FRANKLIN.....Redfield, So. Dak.
Redfield College, A.B., 1898.
*Semitics, Church History, Greek.*

BLANCHARD, ARTHUR HORACE.....Providence, R. I.
Brown University, C.E., 1899.
*Mechanics, Mineralogy, Civil Engineering.*

*BLISS, DON CARROLL.....Kearney, N. J.
Dartmouth College, A.B., 1892; A.M.
*Education.*

BLOODGOOD, LISA DELAVAN.....(Bklyn) New York City
Columbia University, A.B., 1901.
*Greek.*

†BOAK, MABEL.....(Mhtn) New York City
Vassar College, A.B., 1901.
*Education, English.*

BONSALL, VICTOR FITCH MOUNT.....(Mhtn) New York City
Columbia University, A.B., 1901.
*Latin, Greek, Roman Archæology.*

BOYNTON, ARTHUR JEROME.....Emerald Grove, Wis.
Beloit College, Ph.B., 1896.
*Political Economy and Finance, Sociology and Statistics, International Law.*

BROOKOVER, CHARLES.....Colorado Springs, Colo.
Ohio University, B.Ped., 1894; M.S., 1897.
*Zoölogy, Physiology, Neurology.*

†BROOKS, ANNIE M.....Athol, Mass.
Smith College, A.B., 1898.
*Education, Indo-Iranian.*

BROOKS, JOHN LEE.....Dallas, Texas
Southwestern University, A.M., 1893.
Drew Theological Seminary, B.D., 1900.
*Education, Philosophy, Psychology.*

*BROOME, EDWIN CORNELIUS.....Central Falls, R. I.
Brown University, Ph.B., 1897; A.M., 1898.
*Education, Psychology.*

BROWN, ELIAS G.....(Mhtn) New York City
Columbia University, A.B., 1893; M.D., 1895.
*Anthropology, Psychology.*

BROWN, SAMUEL ROBERT.....Waltersburg, Pa.
Princeton University, A.B., 1900.
*Sociology and Statistics.*

*BRUNN, FREDA MARGUERITA.....(Bklyn) New York City
Adelphi College, A.B., 1899.
*Education.*

BUCKINGHAM, ELINOR MEAD.....Wellesley Hills, Mass.
Radcliffe College, A.B., 1892.
*English.*

BULL, IRVING C.....Middletown, N. Y.
Yale University, Ph.B., 1901.
*Chemistry, Physics.*

* Also a candidate for the Higher Diploma, Teachers College.
† Also a candidate for the Secondary Diploma, Teachers College.

BUNTING, MARTHA.....Philadelphia, Pa.
Swarthmore College, B.L., 1881.
Bryn Mawr College, Ph.D., 1895.
*Zoölogy.*

*BUNNELL, ELIZABETH H.....(Mhtn) New York City
Mt. Holyoke College, A.B., 1894.
*Education, Latin.*

†BURCHARD, ANNA THERESA.....Hamilton, N. Y.
Vassar College, A.B., 1897.
*Education, Mathematics.*

BURDICK, LEON DE LOSS.....Shiloh, N. J.
Alfred University, Ph.B., 1892; Ph.M., 1893.
*Sociology and Statistics, Political Economy and Finance, Church History*

*BURDICK, LORON M.....(Mhtn) New York City
College of the City of New York, A.B.
*Education.*

*BURKE, JOHN JAMES.....(Mhtn) New York City
New York University, A.B., 1895.
*Education.*

*BURKS, JESSE DISMUKES.....Los Angeles, Cal.
University of Chicago, Ph.B., 1893; B.L., 1894.
*Education, Sociology and Statistics.*

†BURR, MARY OLIVE.....(Mhtn) New York City
Ohio Wesleyan University, B.L., 1901.
*Education, German.*

*BURRIS, WILLIAM PAXTON.....Salem, O.
De Pauw University, Ph.B., 1891.
Harvard University, A.M., 1901.
*Education, Philosophy, Psychology.*

BUSH, ELEANOR HOWARD.....Concord, Mass.
Smith College, B.L., 1896.
*Sociology and Statistics, Political Economy and Finance, European History.*

BYINGTON, MARGARET FRANCES.....Montclair, N. J.
Wellesley College, A.B., 1900.
*Sociology and Statistics, Political Economy and Finance, Education.*

BYRNES, JAMES CHARLES.....(Mhtn) New York City
College of the City of New York, B.S., 1886.
New York University, Ph.M., 1897.
*Philosophy, Ethics, Psychology.*

CAMPBELL, HERBERT GRANT.....Sheldon, Ia.
Cornell College, Ph.B., 1896.
*Philosophy, Psychology, Sociology and Statistics.*

CAMPBELL, MARY MORIARTY.....West Orange, N. J.
Bryn Mawr College, A.B., 1897.
*Latin.*

CAMPBELL, PEARL REEDER, (Mrs.).....Sheldon, Ia.
Cornell College, Ph.B., 1896.
*English.*

CANFIELD, DOROTHEA FRANCES.....(Mhtn) New York City
Ohio State University, Ph.B., 1899.
*Romance Languages and Literatures, Germanic Languages and Literatures.*

CANNON, WILLIAM AUSTIN.....Washington, Mich.
Leland Stanford, Jr., University, A.B., 1899; A.M., 1900.
*Botany, Zoölogy, Physiology.*

CAPRON, HAROLD STEARNS.....Providence, R. I.
Brown University, A.B., 1900.
*Sociology and Statistics.*

* Also a candidate for the Higher Diploma, Teachers College.
† Also a candidate for the Secondary Diploma, Teachers College.

CARLETON, SPENCER.....(Mhtn) New York City
Columbia University, A.B., 1894; M.D., 1898.
*Chemistry, Zoölogy.*

CARLSON, CARL OSCAR.....(Mhtn) New York City
College of the City of New York, B.S., 1896.
*Education.*

CARSTENSEN, GUSTAV ARNOLD.....(Mhtn) New York City
Hobart College, A.B., 1873; A.M., 1878.
*Semitics, Psychology.*

†CASAMAJOR, ALICE.....(Bklyn) New York City
Adelphi College, A.B., 1899.
*Education, Sociology and Statistics, European History.*

CHAMBERLAIN, ELIZABETH.....Chappaqua, N. Y.
Vassar College, A.B., 1876.
*Germanic Languages and Literatures, Romance Languages and Literatures.*

CHAMBERLAIN, RAYMOND.....Milton, N. J.
Illinois Wesleyan University, Ph.B., 1900.
Columbia University, A.B., 1901.
*Philosophy, Education.*

CHANDOR, VALENTINE LAURA.....(Mhtn) New York City
Columbia University, A.B., 1900.
*American History, Sociology and Statistics.*

CHICKERING, EDWARD CONNER.....Jamaica, N. Y.
Yale University, A.B., 1896.
Harvard University, A.M., 1897.
*Latin, Greek.*

CHOATE, MIRIAM FOSTER.....Greenwich, Conn.
Smith College, A.B., 1899.
*American History.*

CLARK, ALDEN HYDE.....(Mhtn) New York City
Amherst College, A.B., 1900.
*Political Economy and Finance, Church History.*

CLARK, EMILY JOSEPHINE.....St. Paul Park, Minn.
Wellesley College, A.B., 1882; A.M., 1893.
*Latin, Roman Archæology, Education.*

CLARK, WALTER ERNEST.....Delaware, O.
Ohio Wesleyan University, A.B., 1896; A.M., 1898.
*Political Economy and Finance, Sociology and Statistics, European History.*

*CLOYD, DAVID E.....Minneapolis, Minn.
*Education, Philosophy, Sociology and Statistics.*

†COAN, MARION SARAH.....Auburn, Me.
Bates College, A.B., 1899.
*Education, English.*

CODINGTON, EMILY MATILDA.....(Mhtn) New York City
London University, A.B., 1896.
Columbia University, A.M., 1898.
*Mathematics, Mechanics, Greek.*

COE, EDITH MARY.....(Mhtn) New York City
Radcliffe College, A.B., 1901.
*European History.*

COE, MARGARET ELMER.....(Mhtn) New York City
Smith College. A.B., 1897.
*English, Comparative Literature.*

COFFEE, RUDOLPH ISAAC.....Oakland, Cal.
Columbia University, A.B., 1900.
*Philosophy, Education, Hebrew.*

* Also a candidate for the Higher Diploma, Teachers College.
† Also a candidate for the Secondary Diploma, Teachers College.

*COLBURN, HARRISON SINER.....(Mhtn) New York City
Purdue University, B.S., 1900.
*Education, American History.*

COLLOQUE, ORROK PAUL.....(Mhtn) New York City
Trinity College, A.B., 1899.
New York University, A.M., 1901.
*Philosophy.*

COMPTON, ALFRED DONALDSON.....(Mhtn) New York City
College of the City of New York, B.S., 1897.
*Comparative Literature, English, Romance Languages and Literatures*

CONANT, MARTHA PIKE.....Greenfield, Mass.
Wellesley College, B.S., 1890; A.M., 1895.
*Comparative Literature, English.*

CONANT, SARAH HOWARD.....North Thetford, Vt.
Wellesley College, B.S., 1887.
*Greek Archæology.*

COOK, ELIZABETH CHRISTINE.....Northampton, Mass.
Smith College, A.B., 1899.
*English, Education.*

CORDLEY, ANNA MINTO.....Glen Ridge, N. J.
Wellesley College, B.S., 1887.
*Political Economy and Finance, European History.*

COSENZA, MARIO EMILIO.....(Mhtn) New York City
College of the City of New York, A.B., 1901.
*Latin, Italian, History.*

†CRAIG, ARCHIBALD GORDON.....Brookville, Pa.
Western University of Pennsylvania, Ph.B., 1900.
*Education, Physics.*

CRAMER, THOMAS EDMUND.....Littleton, N. H.
Ohio Wesleyan University, A.B., 1800.
Boston University, S.T.B., 1894.
*Political Economy and Finance, Sociology and Statistics.*

CRANDALL, SAMUEL BENJAMIN.....Independence, N. Y.
Alfred University, B.S., 1897.
*International Law, Constitutional Law, Administrative Law, American History.*

CROCKER, HERBERT GOULD.....Emporia, Kan.
Washburn College, B.L., 1897.
*Sociology and Statistics, Political Economy and Finance, Church History.*

CROSS, FLORENCE LEDYARD.....Rochester, N. Y.
Wells College, A.B., 1897.
*Sociology and Statistics, Political Economy and Finance.*

*CROSS, MARGARET ELSIE.....Roseland, La.
Indiana Normal College, B.S., 1888.
*Education, Philosophy*

*CUBBERLEY, ELLWOOD P.....Stanford University, Cal.
University of Indiana, A.B., 1891.
*Education, Psychology, Sociology and Statistics.*

CURTISS, HARRIETTE ARMS.....Sodus, N. Y.
Syracuse University, Ph.B., 1900.
*Zoölogy, Botany, Education.*

CUSHING, MARY GERTRUDE.....(Mhtn) New York City
Wellesley College, B.S., 1892; A.M., 1895.
*Romance Languages and Literatures, Romance Philology, Latin.*

DALY, ELIZABETH TERESA.....Yonkers, N. Y.
Bryn Mawr College, A.B., 1901.
*English, Comparative Literature, French.*

* Also a candidate for the Higher Diploma, Teachers College.
† Also a candidate for the Secondary Diploma, Teachers College.

*Daniels, Mary Anderson.....(Mhtn) New York City
Minnesota State University, A.B., 1896.
*Sociology and Statistics.*

Davidoff, Henry.....(Mhtn) New York City
College of the City of New York, A.B., 1899.
*English, Comparative Literature.*

Davis, Alice.....(Mhtn) New York City
Chicago University, Ph.B., 1899.
*American History, European History.*

Davis, Michael Marks, Jr.....(Mhtn) New York City
Columbia University, A.B., 1900.
*Sociology and Statistics, Political Economy and Finance, European History.*

†Dawson, Alice Belle.....(Bklyn) New York City
Oxford College, A.B., 1891.
*Education, Latin.*

Dean, Lee Maltbie.....Bridgeport, Conn.
Yale University, A.B., 1896.
*Indo-Iranian.*

*Dean, Philip R.....(Mhtn) New York City
Harvard University, A.B., 1896.
*Education.*

deForest, Jean L.....(Mhtn) New York City
Wesleyan University, Ph.B., 1896.
*English, Education, European History.*

deMille, William Churchill.....Pompton, N. J.
Columbia University, A.B., 1900.
*English.*

Devlin, Bernard Joseph.....(Mhtn) New York City
College of the City of New York, A.B., 1888.
St. Francis Xavier, A.M., 1893.
New York University, Pd.M., 1898.
*Education.*

Dickson, Charles William.....Kingston, Ontario, Can.
Queen University, A.M., 1900.
*Geology, Chemistry, Metallurgy.*

Dionne, Gustav-Adolphe Leo.....(Mhtn) New York City
Wooster College, A.B., 1893.
Columbia University, A.M., 1901.
*Romance Languages and Literatures, Germanic Languages and Literatures.*

Dixon, Sidney Harry.....Yonkers, N. Y.
Columbia University, A.B., 1900.
*Latin, Greek, Education.*

Drucker, Aaron Phineas.....(Mhtn) New York City
Columbia University, A.B., 1901.
*Psychology, Anthropology, Physics.*

Dublin, Louis Israel.....(Mhtn) New York City
College of the City of New York, B.S., 1901.
*Zoölogy, Mechanics.*

du Bois, Elizabeth Hickman.....(Mhtn) New York City
Cornell University, A.B., 1897.
Columbia University, A.M., 1901.
*Latin.*

Dupaquier, Claude Joseph.....(Mhtn) New York City
University of Dijon, B.L., 1884.
*Romance Languages and Literatures, Education.*

Durham, Knowlton.....(Mhtn) New York City
Columbia University, A.B., 1901.
*American History, European History, Political Economy and Finance.*

‡Earll, Irene.....Syracuse, N. Y.
Cornell University, A.B., 1890.
*Education, Sociology and Statistics.*

* Also a candidate for the Higher Diploma, Teachers College.
† Also a candidate for the Secondary Diploma, Teachers College.
‡ Also a candidate for the Kindergarten Diploma, Teachers College.

EASTON, WILLIAM OLIVER.....Springboro, O.
Wittenberg College, A.B., 1893.
*Political Philosophy, American History, Administrative Law.*

†EATMAN, DARIUS.....Oxford, N. C.
University of North Carolina, A.B., 1897.
*Education, English.*

EISEMAN, AARON.....(Mhtn) New York City
New York University, Ph.B., 1901.
*Philosophy, Education, Sociology and Statistics.*

ELIAS, ISABEL.....Franklin, N. C.
Trinity College, A.B., 1899.
*English, German, European History.*

ERSKINE, JOHN.....(Mhtn) New York City
Columbia University, A.B., 1900; A.M., 1901.
*English, Italian.*

FAIRCHILD, EDITH MIRIAM.....Berea, Ky.
Berea College, Ph.B., 1897.
*English, Education.*

FALL, FRANK ANDREWS.....Albion, Mich.
Albion College, A.B., 1899.
*Comparative Literature, European History.*

*FANT, ANNE.....Macon, Miss.
Mississippi Industrial Institute, A.B., 1893.
*Education, Geography.*

FARRAR, PRESTON COOKE.....(Mhtn) New York City
Washington and Jefferson College, A.B., 1891; A.M., 1894.
*English.*

*FARRINGTON, FREDERIC ERNEST.....(Mhtn) New York City
Harvard University, A.B., 1894.
*Education.*

FIELD, FRANK EDSON.....Dover, Ill.
Yale University, A.B., 1900.
*Sociology and Statistics.*

FINNIGAN, JAMES JOSEPH.....(Mhtn) New York City
Columbia University, A.B., 1900.
*Romance Languages and Literatures, Germanic Languages and Literatures.*

*FISCHLOWITZ, ABRAM.....(Mhtn) New York City
College of the City of New York, B.S., 1890.
New York University, C.E., 1895.
*Education, Psychology.*

FISHEL, LILLIAN HENRIETTA.....Babylon, N. Y.
Wellesley College, B.S., 1899.
*Latin, Roman Archæology, Greek.*

FITZHUGH, OLEN MINAS.....Bollinger, Tex.
Trinity University, A.B., 1897.
*Sociology and Statistics.*

FLEMING, DANIEL JOHNSON.....Cleveland, O.
Wooster University, B.S., 1898.
*Philosophy.*

FLEMING, WALTER LYNWOOD.....Auburn, Ala.
Alabama Polytechnic Institute, B.S., 1896; M.S., 1897.
Columbia University, A.M., 1901.
*American History, European History, Constitutional Law.*

FLUHRER, HELEN PULLMAN.....(Mhtn) New York City
Radcliffe College, A.B., 1900.
*German.*

* Also a candidate for the Higher Diploma, Teachers College.
† Also a candidate for the Secondary Diploma, Teachers College.

FOSDICK, HARRY EMERSON.....Buffalo, N. Y.
Colgate University, A.B., 1900.
*Philosophy, Ethics, Church History.*

FOSTER, GEORGE HERBERT.....(Mhtn) New York City
Harvard University, A.B., 1899; A.M., 1900.
New York Law School, LL.B., 1901.
*Political Economy and Finance, Sociology and Statistics.*

†FOUNTAIN, ABBIE EMMA.....Camden, Me.
Colby College, A.B., 1895.
*Education, European History.*

FOUNTAIN, CLAUDE RUSSELL.....Portland, Ore.
University of Oregon, A.B., 1901.
*Mathematics, Physics, Astronomy.*

FOWLER, SUSAN.....Catonsville, Md.
Bryn Mawr College, A.B., 1895.
*Latin.*

FOWLES, GEORGE MILTON.....(Mhtn) New York City
Mt. Union College, A.B., 1895.
Boston University, S.T.B., 1898.
*Philosophy.*

FOX, WILLIAM.....(Mhtn) New York City
College of the City of New York, B.S., 1884.
Stevens Institute, M.E., 1886.
*Mechanics.*

FRAZER, GEORGE A.....Nashville, Tenn.
Vanderbilt University, LL.B., 1901.
*Administrative Law, Constitutional Law, International Law, Political Economy and Finance.*

FRAZIER, MOSES LEONARD.....(Mhtn) New York City
Mt. Union College, Ph.B., 1896; Ph.M., 1899.
New York Law School, LL.B., 1899.
*Constitutional Law, Sociology and Statistics, Criminal Law.*

FREEHOFF, JOSEPH C.....Lacrosse, Wis.
University of Wisconsin, B.S., 1891.
*Sociology and Statistics, Political Economy and Finance.*

FROST, MARY GERTRUDE.....Waltham, Mass.
Bryn Mawr College, A.B., 1897.
*Sociology and Statistics.*

FUERST, SIDNEY MARSDEN.....(Mhtn) New York City
Columbia University, A.B., 1901.
*Psychology, Education, English.*

†GALLAGHER, HELEN DAVIS.....Highwood, N. J.
Vassar College, A.B., 1900.
*Education, English.*

GALLOWAY, IDA GRAY.....Freeport, Ill.
University of California, Ph.B., 1892.
*Education.*

*GAMMON, EDWARD MONTAGUE.....Rome, Ga.
University of Georgia, A.B., 1895.
*Education, Psychology.*

†GARDNER, CATHERINE AMELIA..... Moodus, Conn.
Wesleyan University, A.B., 1885.
*Education, Greek.*

GARNER, JAMES WILFORD.....Summit, Miss.
Agricultural College of Mississippi, B.S., 1892.
University of Chicago, Ph.M., 1900.
*Administrative Law, Constitutional Law, American History, International Law.*

* Also a candidate for the Higher Diploma, Teachers College.
† Also a candidate for the Secondary Diploma, Teachers College.

GARWIN, J. LAUREL.....Cambridge City, Ind.
Hiram College, A.B., 1900.
*Sociology and Statistics.*

GATES, WILLIAM BISHOP.....(Mhtn) New York City
Amherst College, A.B., 1897.
*Sociology and Statistics.*

GAUS, DAISY.....(Bklyn) New York City
Vassar College, A.B., 1900.
Columbia University, A.M., 1901.
*Comparative Literature, Italian.*

GEORGE, ROY MCCHEYNE.....Allegheny, Pa.
Geneva College, B.S., 1897.
*English, Education.*

†GIBSON, ALICE SCHIEFFELIN.....Croton Falls, N. Y.
Vassar College, A.B., 1901.
*Education, English.*

GIFFIN, FRANK ALBEE.....Boulder, Col.
University of Colorado, A.B., 1899; A.M., 1900.
*Mechanics, Mathematics.*

†GILLILAND, ALICE MABEL.....Ballston Spa, N. Y.
Cornell University, Ph.B., 1891.
Albany Normal College, Pd.B., 1892.
*Mathematics, Education.*

GILLIN, JOHN LEWIS.....Waterloo, Ia.
Iowa College, A.B., 1895.
*Sociology and Statistics.*

GILMOUR, GEORGE.....Philadelphia, Pa.
Wesleyan University, A.B., 1898.
Princeton University, A.M., 1899.
*Philosophy, Psychology, Greek.*

GJEVRE, ANDERS H.....(Mhtn) New York City
Norwegian Lutheran College, A.B., 1878; A.M., 1895.
*Semitics.*

GLEYSTEEN, WILLIAM H.....(Mhtn) New York City
University of Michigan, A.B., 1897.
*Sociology and Statistics.*

GLÜCK, EMIL.....(Mhtn) New York City
College of the City of New York, A.B., 1896.
*Psychology, Education, English.*

GOLDMAN, BERTHA.....(Mhtn) New York City
Bryn Mawr College, A.B., 1901.
*Comparative Literature, English.*

GRAHAM, WALTER BABER.....(Mhtn) New York City
University of Kansas, A.B., 1899.
Columbia University, A.M., 1900.
*Constitutional Law, International Law, American History, Administrative Law.*

GRAY, ANNA LIGUORIA.....Passaic, N. J.
Brown University, Ph.B., 1899.
*English.*

GRAY, LOUIS HERBERT.....Newark, N. J.
Princeton University, A.B., 1896.
Columbia University, A.M., 1898; Ph.D., 1900.
*Indo-Iranian.*

GREGORY, WILLIAM KING.....(Mhtn) New York City
Columbia University, A.B., 1900.
*Zoölogy.*

† Also a candidate for the Secondary Diploma, Teachers College.

GRUN, PAULA.....(Mhtn) New York City
K. K. Bildungsanstalt, Vienna, 1895.
*Germanic Languages and Literatures, Indo-Iranian.*

HALLIDAY, EDGAR.....(Bklyn) New York City
Princeton University, A.B., 1898.
*Latin, Education.*

*HALLIGAN, THOMAS COOPER.....(Mhtn) New York City
College of the City of New York, B.S., 1890.
New York University, LL.B., 1895.
*Education.*

HAMMERSLOUGH, CARRIE.....(Mhtn) New York City
Columbia University, A.B., 1896; A.M., 1897.
*Mathematics, Mechanics, Italian.*

HAND, WILLIAM FLOWERS.....Agricultural College, Miss.
Mississippi A. and M. College, B.S., 1893; M.S., 1895.
*Chemistry, Physics.*

HANKS, LENDA TRACY.....(Mhtn) New York City
Columbia University, A.B., 1901.
*Botany, Political Economy and Finance.*

§HANSON, HANS OLAF.....(Br) New York City
Columbia University, A.B., 1901.
*Education, Psychology, English.*

HARA, TSURUZIRO.....Chicugo, Japan
Imperial University of Tokio, Gakushi, 1900.
*Political Economy and Finance, Sociology and Statistics, Constitutional Law*

HARPER, JOHN FERGUSON.....(Mhtn) New York City
College of the City of New York, B.S., 1901.
*American History, European History, Political Economy and Finance.*

HARRISON, JOHN SMITH.....Orange, N. J.
Columbia University, A.B., 1899; A.M., 1900.
*Comparative Literature, English, Education.*

HARTMANN, JACOB WITTMER.....(Mhtn) New York City
College of the City of New York, B.S., 1901.
*Germanic Languages and Literatures, Romance Languages and Literatures.*

HARWOOD, EDWARD CHARLES.....North Ontario, Cal.
Leland Stanford, Jr., University, A.B., 1895; A.M., 1896.
*Latin, Greek, Greek Archæology.*

HAUSCHILD, GEORGE WILLIAM.....(Mhtn) New York City
Northwestern University, A.B., 1900.
*Germanic Languages and Literatures, Linguistics.*

HAYES, SAMUEL PERKINS.....Rochester, N. Y.
Amherst College, A.B., 1896.
*Sociology and Statistics, Political Economy and Finance, Church History.*

HECHT, FELIX.....Jamaica, N. Y.
College of the City of New York, B.S., 1900.
*English, European History, Psychology.*

HECK, WILLIAM HARRY.....Raleigh, N. C.
Wake Forest College. A.B., 1897; A.M., 1899.
*English.*

*HENDERSON, ERNEST NORTON.....Chico, Cal.
University of California, Ph.B., 1890; A.B., 1893; A.M., 1894.
*Education, Psychology, Philosophy.*

HENDERSON, ISAAC ROSS.....West Lafayette, O.
Ohio Wesleyan University, B.S. 1901.
*Political Economy and Finance, Sociology and Statistics, Administrative Law.*

HENRY, FLORENCE FRENCH.....Cortland, N. Y.
Cornell University, A.B., 1901.
*Latin, Greek, Geology.*

* Also a candidate for the Higher Diploma, Teachers College.
§ Also a candidate for the Elementary Diploma, Teachers College.

HERNSHEIM, CHARLES.....(Mhtn) New York City
Harvard University, A.B., 1898; A.M., 1900.
*Philosophy, Comparative Literature, Sociology and Statistics, Political Economy and Finance.*

HESSELGRAVE, CHARLES EVERETT.....Chatham, N. J.
Middlebury College, A.B., 1893.
New York University, A.M., 1899.
Drew Theological Seminary, B.D., 1900.
*Greek, Semitics.*

HEUSER, FREDERICK WILLIAM JUSTUS.....(Bklyn) New York City
Columbia University, A.B., 1901.
*Germanic Languages and Literatures, Romance Languages and Literatures.*

HEWITT, MARGARET LOUISE.....Newark, N. J.
Wellesley College, A.B., 1897.
*American History.*

HILL, MARY ANDERSON (Mrs.).....(Mhtn) New York City
Vassar College, A.B., 1889.
*Sociology and Statistics, Political Economy and Finance, European History.*

HILLEMEIER, CARRIE MAY.....Mt. Vernon, N. Y
Wellesley College, A.B., 1901.
*Philosophy, Ethics, Education.*

HINCKLEY, FRANK ERASTUS.....Oakland, Cal.
Beloit College, A.B., 1892; A.M., 1897.
*Constitutional Law, International Law, European History, Political Economy and Finance.*

HISHIDA, SEIJI.....Gifu Province, Japan
New York University. A.M., 1901.
*International Law, Constitutional Law, Administrative Law, Political Economy and Finance, Sociology and Statistics.*

HOADLEY, HARWOOD.....(Mhtn) New York City
Columbia University, A.B., 1900.
*Greek, Latin.*

HODGETTS, ABBIE SYLVIA.....(Br) New York City
Nebraska Wesleyan University, A.B., 1896.
*English, Education.*

HOLBROOK, RICHARD THAYER.....Yonkers, N. Y.
Yale University, A.B., 1893.
*Romance Philology, Romance Languages and Literatures, English.*

HOLLIS, IDA MINERVA.....Hornellsville, N. Y.
Teachers College (C.U.), B.S., 1901.
*American History, European History, Education.*

HOLLISTER, GEORGE BUELL.....Rutherford, N. J.
Yale University, A.B., 1892.
*Geology.*

HOOD, EDWARD CLARK.....Newton, Mass.
Amherst College, A.B., 1897.
*Zoölogy, Botany, Education.*

HOUSTON, HENRY EUGENE.....Paterson, N. J.
Columbia University, A.B., 1895.
*Psychology.*

HOUSTON, HOUGH.....(Mhtn) New York City
West Virginia University, A.B., 1892.
Drew Theological Seminary, B.D., 1896.
*Sociology and Statistics.*

HOWARD, ALLEN LESLIE.....Toronto, Can.
University of Toronto, A.B., 1901.
*Philosophy, Ethics.*

HOWARD, CHARLOTTE BELLE.....Ogdensburg, N. Y.
University of Cincinnati, A.B., 1884.
*Latin, Roman Archæology, Education.*

HOWARD, KATHARINE DOBBINS.....Hazlehurst, Miss.
Central Female College (Mo.), A.B., 1901.
*English, Comparative Literature, European History*

HOWARD, CHARLOTTE BELL.....Ogdensburg, N. Y.
University of Cincinnati, A.B., 1884.
*Education.*

HUBBARD, GUY ANDREW STEPHEN BAILEY.....(R) NewYork City
Trinity College, A.B., 1894.
*Latin, Roman Archæology, Education.*

†HUBBELL, HARRY HOPKINS.....(Mhtn) New York City
Williams College, A.B., 1898.
*Education, Latin.*

HUGHES, GEORGE EDWARD.....Logansport, Ind.
Wabash College, A.B., 1900.
*Sociology and Statistics.*

*HUGHES, PERCY.....(Mhtn) New York City
Alfred University, A.B., 1899.
*Philosophy, Psychology, Education.*

HUME, ROBERT.....Ahmednagar, India
Yale University, A.B., 1898; A.M., 1900; Ph.D., 1901.
*Indo-Iranian.*

HUNTER, GEORGE WILLIAM, Jr.....(Mhtn) New York City
Williams College, A.B., 1895; A.M., 1896.
*Zoölogy.*

HYDE, CHARLES SUMNER.....Washington, D. C.
University of Michigan, Ph.B., 1889.
Columbian University, A.M., 1898.
*Germanic Languages and Literatures, English.*

HYDE, HENRY ST. JOHN.....(Mhtn) New York City
Columbia University, Ph.B., 1896; A.M., 1898.
*Chemistry, Physics.*

INGRAHAM, EDGAR SHUGERT.....(Mhtn) New York City
Colgate University, A.B., 1897.
*Romance Languages and Literatures, Germanic Languages and Literatures.*

ISAACS, ISABEL ESTELLE.....(Mhtn) New York City
Columbia University, A.B., 1901.
*Sociology and Statistics, European History.*

ISHIKAWA, YOSHIMASA.....(Mhtn) New York City
Tetsugakkuan, Japan, A.B., 1898.
*Political Economy and Finance, Sociology and Statistics, International Law.*

†ISRAELI, PHINEAS.....(Mhtn) New York City
College of the City of New York, A.B., 1899.
*Philosophy, Education, Arabic.*

JACKSON, HENRY ASKEW.....Wilmington, Del.
Princeton University, B.S., 1899.
*Chemistry, Physics.*

JACOBS, LILLIE FRIEDLANDER.....(Mhtn) New York City
Columbia University, A.B., 1901.
*American History.*

*JAMESON, CHARLES B.....(Mhtn) New York City
College of the City of New York, A.B., 1896.
*Education, English.*

*JENKS, ELIJAH, Jr.....(Br) New York City
College of the City of New York, B.S., 1889.
*Education, English.*

JOHNSON, ADÈLE REMSEN.....(Bklyn) New York City
Columbia University, A.B., 1901.
*English, Italian, Education.*

* Also a candidate for the Higher Diploma, Teachers College.
† Also a candidate for Secondary Diploma, Teachers College.

JOHNSON, ALFRED.....Boston, Mass.
Harvard University, A.B., 1898.
*Education, French.*

JOHNSON, DOUGLAS WILSON.....Albuquerque, N. M.
University of New Mexico, B.S., 1901.
*Geology, Palæontology, Mineralogy.*

JOHNSON, HENRY.....Charleston, Ill.
University of Minnesota, B.L., 1889.
*American History, European History, International Law, Administrative Law.*

JOHNSON, MARGARET EDITH.....(Bklyn) New York City
Adelphi College, A.B., 1899.
*American History, European History, Education.*

†JOHNSON, WILLIAM HALLOCK.....Ossining, N. Y.
Princeton University, A.B., 1888; A.M., 1897.
Princeton Theological Seminary, B.D., 1897.
*Philosophy, Psychology, Ethics.*

JONES, ELMER ELSWORTH.....Hastings, Neb.
Monmouth College, B.S., 1894.
University of Colorado, A.M., 1901.
*Psychology, Philosophy, Anthropology.*

JONES, WILLIAM.....Sauk and Fox Agency, Oklahoma
Harvard College, A.B., 1900.
Columbia University, A.M., 1901.
*Anthropology, Linguistics, Psychology.*

JOSEPHTHAL, HILDA.....(Mhtn) New York City
Columbia University, A.B., 1901.
*Comparative Literature, English, Sociology and Statistics.*

KAPLAN, MORDECAI MENAHEM.....(Mhtn) New York City
College of the City of New York, A.B., 1900.
*Philosophy, Education, Sociology and Statistics*

KAUVAR, CHARLES HILLEL.....(Mhtn) New York City
College of the City of New York, A.B., 1900.
Columbia University, A.M., 1901.
*Philosophy, Education, Hebrew.*

KEEP, AUSTIN BAXTER.....(Bklyn) New York City
Amherst College, A.B., 1897; A.M., 1901.
*American History.*

KEILEY, JARVIS.....(Mhtn) New York City
Harvard University, A.B., 1899; A.M., 1900.
*English, Romance Languages and Literatures.*

KELLER, MAUD RYLAND.....Wellesley, Mass.
Wellesley College, A.B., 1892; A.M., 1896.
*Comparative Literature, English.*

KEMP, WILLIAM CULLEN BRYANT.....(Mhtn) New York City
Columbia University, LL.B., 1896; A.B., 1900; A.M., LL.M., 1901.
*International Law, Constitutional Law, American History.*

KENNEDY, MARY STEWART.....(Mhtn) New York City
Adelphi College, A.B., 1901.
*Comparative Literature, French.*

*KENT, ERNEST BECKWITH.....(Mhtn) New York City
Iowa College, A.B., 1894.
Columbia University, A.M., 1901.
*Education, Psychology, Sociology and Statistics.*

KERR, WILLIS HOLMES.....Bellevue, Neb.
University of Omaha, A.B., 1900.
*English, Philosophy, History.*

*KILPATRICK, VAN EVRIL.....(Br) New York City
Syracuse University, A.B., 1891; A.M., 1894.
*Education.*

KING EDITH BARCROFT.....(Mhtn) New York City
Vassar College, A.B., 1901.
*English.*

* Also a candidate for the Higher Diploma, Teachers College.
† Also a candidate for the Secondary Diploma, Teachers College.

KING, ELIZABETH EDWARDS.....Trumansburg, N. Y.
Wellesley College, A.B., 1897.
*Comparative Literature.*

KINGSBURY, SUSAN MYRA.....San Francisco, Cal.
University of the Pacific, 1890.
Leland Stanford, Jr., University, A.M., 1900.
*American History, European History, Sociology and Statistics.*

KINKELDEY, OTTO.....(Mhtn) New York City
College of the City of New York, A.B., 1898.
New York University, A.M., 1900.
*Music.*

KINOSITA, YETARO.....New Berlin, O.
Hiram College, A.B., 1899.
Yale University, A.M., 1901.
*Political Economy and Finance, International Law, Sociology and Statistics.*

KLEIN, ADELE LOUISE.....Detroit, Mich.
University of Michigan, A.B., 1901.
*German, Education.*

*KNAPP, THADDEUS JOHNSON.....Arlington, N. J.
University of Michigan, Ph.B., 1898.
*Education.*

*KOCH, CHARLES DIXON.....Muncy, Pa.
Bucknell College, Ph.B
*Education, Psychology, Sociology and Statistics.*

KOENIG, HERMAN.....Newark, N. J.
Columbia University, LL.B., 1901.
*Constitutional Law, European History, Roman Law and Comparative Jurisprudence, American History.*

KONNO, TASABRO.....Sendai, Japan
Tokyo Law College and University of California, 5 years.
*International Law, Constitutional Law, Political Economy and Finance.*

KRAKER, ROSE LOIS.....Rochester, N. Y.
Columbia University, A.B., 1901.
*Comparative Literature, English, German.*

KROEBER, JOHANNA.....(Mhtn) New York City
Bryn Mawr College, A.B., 1900.
*Zoölogy, Comparative Literature.*

KUNTZ, C.....(Mhtn) New York City
University of Vienna, } 1890–1880.
University of Zurich, }
Columbia University, 1899–1901.
*Psychology.*

*LANE, CHRISTOPHER JOSEPH.....Pearl River, N. Y.
St. Francis Xavier's College, A.B., 1891.
*Education.*

LANGDON, STEPHEN HERBERT.....(Mhtn) New York City
University of Michigan, A.B., 1898; A.M., 1899.
*Semitics, Greek.*

LAU, ROBERT JULIUS.....(Mhtn) New York City
Central Pennsylvania College, A.B., 1900.
Columbia University, A.M., 1901.
*Semitics.*

LAWRENCE, GEORGE ALFRED.....(Mhtn) New York City
Leland Stanford, Jr., University, A.B., 1892.
Columbia University, M.D., 1895; A.M., 1896.
*Zoölogy, Bacteriology, Anthropology.*

LAWSON, VERNON K.....Crisfield, Md.
Western Maryland College, A.B., 1900.
*Latin, Education, Greek.*

*LAWYER, LOUIS ROSSELL.....(Mhtn) New York City
College of the City of New York, B.S., 1896.
*Education.*

* Also a candidate for the Higher Diploma, Teachers College.

LEWIS, ELIZABETH DIKE.....Morristown, N. J.
Smith College, B.L., 1895; A.M., 1898.
*European History.*

LITTEBRANDT, WILLIAM HENRY.....Yonkers, N. Y.
Wesleyan University, A.B., 1899.
*English.*

†LOCKE, EMILY PAULINE.....Boston, Mass.
Smith College, B.S., 1900.
*Education, Botany, Biology.*

LOEWY, GEORGE JULIUS.....(Mhtn) New York City
Stevens Institute, Mech. Eng., 1897.
*Chemistry.*

LOSHE, LILLIE DEMING.....Stamford, Conn.
Bryn Mawr, A.B., 1899.
*English.*

LOOMIS, LOUISE ROPES.....(Mhtn) New York City
Wellesley College, A.B., 1897.
*European History, American History, Greek.*

LOVELESS, MILO JAMES.....Comer, Ill.
Blackburn University, A.B., 1895.
*Administrative Law, Constitutional Law, American History.*

LUDWIG, AUGUSTUS.....(Mhtn) New York City
College of the City of New York, B.S., 1897.
*Education.*

LUTHER, EDITH MARY.....South Orange, N. J.
Wellesley College, A.B., 1891.
New York University, A.M., 1894.
*English, Education.*

MACALARNEY, EMMA LENORE.....(Mhtn) New York City
Wellesley College, B.S., 1892.
*English, History.*

† MACLEAR, ANNE BUSH.....Wilmington, Del.
Columbia University, B.S., 1901.
*Education, English, European History.*

MACVAY, ANNA PEARL.....Athens, O.
Ohio University, A.B., 1892.
*Latin.*

MCALPIN, EDWIN AUGUSTUS, Jr.....Ossining, N. Y.
Princeton University, A.B., 1898.
Columbia University, A.M., 1900.
*Sociology and Statistics, Political Economy and Finance, Church History.*

MCCALLUM, JOHN ARCHIBALD.....Kingston, Ont.
Queen's University, A.B., 1899.
*Sociology and Statistics, Political Economy and Finance, Church History.*

MCCLINTOCK, ROY MILO.....Mount Vernon, N. Y.
Colorado College, Ph.B., 1900.
*Political Economy and Finance, Sociology and Statistics, American History.*

MCKEAG, EDWIN CORWIN.....New Brunswick, N. J.
Rutgers College, A.B., 1896; A.M., 1897.
Columbia University, LL.B., 1900.
*Roman Law and Comparative Jurisprudence, Constitutional Law, Political Economy and Finance.*

MCLAUGHLIN, LEO.....(Mhtn) New York City
St. Francis Xavier, A.B., 1895.
Columbia University, LL.B., 1898.
*English.*

MCLEAN, MARGARET.....McKinney, Texas
Southwestern University, A.B., 1892.
*English, Education.*

† Also a candidate for the Secondary Diploma, Teachers College.

McMAHON, ROBERT CECIL.....(Bklyn) New York City
Wesleyan University, A.B., 1900.
Columbia University, A.M., 1901.
*Greek, Greek Archæology, Latin.*

McQUEEN, JAMES ALEXANDER.....Carthage, N. C.
Davidson College, B.S., 1899.
*Political Economy and Finance, Sociology and Statistics, American History.*

MACURDY, GRACE HARRIET.....Poughkeepsie, N. Y.
Radcliffe College, A.B., 1888.
*Greek.*

MACKAY, EDWARD HILL.....Placerville, Cal.
Hamline University, A.B., 1895.
*Philosophy, Sociology and Statistics.*

MAGEWORTH, JULIUS OTIS.....(Br) New York City
College of the City of New York, A.B., 1898.
*English, Education.*

MANN, ARTHUR SITGREAVES.....Buffalo, N. Y.
Yale University, A.B., 1899.
*Sociology and Statistics, European History.*

MARSCHING, JOHN HAROLD.....(Mhtn) New York City
*Political Economy and Finance, Sociology and Statistics, American History.*

MARSH, GEORGE LEVI.....Milwaukee, Wis.
Iowa College, A.B., 1898.
*Sociology and Statistics.*

*MARSH, HORACE WILMER.....(Bklyn) New York City
Lafayette College, A.B., 1889; A.M., 1893.
*Education, English.*

*MARTIN, GEORGE KEMPTON.....(Mhtn) New York City
College of the City of NewYork, B.S., 1893.
*Psychology, Education.*

MASUDA, YEIICHI.....Tokyo, Japan
Tokyo Semmon-Gakko, A.B., 1900.
*Political Economy and Finance, Sociology and Statistics, International Law.*

*MAXSON, HOLLY WHITFORD.....Adams Center, N. Y.
Alfred University, A.B., 1897.
Albany Normal College, Pd.B., 1898.
*Education, Manual Training.*

MEAD, NELSON PRENTISS.....(Mhtn) New York City
College of the City of New York, B.S., 1899.
*American History.*

MEEKER, ROYAL.....(Mhtn) New York City
Iowa State College, B.S., 1898.
*Political Economy and Finance, Sociology and Statistics, American History.*

†MEIGS, KATHARINE HEDGES.....Orange, N. J.
Smith College, A.B., 1891.
*Education, Botany, Zoölogy.*

MELLICK, ANNA COLE.....(Mhtn) New York City
Columbia University, A.B., 1896.
*Latin.*

MESSENGER, JAMES FRANKLIN.....Des Moines, Ia.
University of Kansas, A.B., 1895.
University of New Mexico, A.M., 1900.
Harvard University, A.M., 1901.
*Psychology, Philosophy, Education.*

METZGER, FLOYD JAY.....Akron, O.
Buchtel College, Ph.B., 1899.
*Chemistry, Physics.*

* Also a candidate for the Higher Diploma, Teachers College.
† Also a candidate for the Secondary Diploma.

MILLER, BARNETTE.....Columbia, S. C.
South Carolina College, 1896–1898; Bryn Mawr College, 1900–1901.
*English, French.*

MILLER, CHARLES ARMAND.....(Mhtn) New York City
Roanoke College, A.B., 1887.
*Psychology, Greek.*

MILLER, CHARLES CLARK.....Trenton, N. J.
Princeton University, A.B., 1900.
*Sociology and Statistics, Political Economy and Finance.*

MILLER, WALLACE ELDEN.....Springfield, O.
Ohio Wesleyan University, A.B., 1897.
*Sociology and Statistics, Political Economy and Finance, American History.*

MILLWARD, RUSSELL HASTINGS.....Chicago, Ill.
Illinois College of Law, 1900–1901.
*International Law, Administrative Law, American History.*

MINER, JAMES BURT.....Berlin, Wis.
Minnesota University, B.S., 1897; LL.B., 1899; M.S., 1901.
*Psychology, Education, Anthropology.*

MITCHELL, HARRY BRAINERD.....(Bklyn) New York City
Amherst College, A.B., 1901.
*Political Economy and Finance, Sociology and Statistics, American History.*

MOFFETT, SAMUEL ERASMUS.....(Mhtn) New York City
Columbia University, A.B., 1900; A.M., 1901.
*American History, European History, International Law.*

MOORE, CHARLES BARCLAY.....Crawfordsville, Ind.
Wabash College, A.B., 1900.
*English, Education.*

MOORE, HENRIETTA EVANGELINE.....Portland, Ore.
University of Oregon, A.B., 1888; A.M., 1891.
University of California, M.L., 1896.
*Comparative Literature, English.*

MOTT-SMITH, MORTON CHURCHILL.....Plymouth, Mass.
Massachusetts Institute of Technology, S.B., 1900.
*Philosophy, Psychology.*

MUSSEY, HENRY RAYMOND.....Atkinson, Ill.
Beloit College, A.B., 1900.
*Political Economy and Finance, Sociology and Statistics, European History.*

NALDER, FRANK FIELDING.....Walla Walla, Wash
Washington Agricultural College and School of Science, A.B., 1901.
*Political Economy and Finance, Sociology and Statistics, Constitutional Law.*

NAMMACK, ELIZABETH FRANCIS.....(Mhtn) New York City
Columbia University, A.B., 1895; A.M., 1896.
*Latin, Roman Archæology, Greek.*

NASON, GEORGE FRANK.....Franklin, Ky.
Cumberland University, B.D., 1897.
*Sociology and Statistics, Church History, Political Economy and Finance.*

NATHAN, MARVIN.....(Mhtn) New York City
Cornell University, A.B., 1900.
*Philosophy, Education, Sociology and Statistics.*

NATORI, WASAKU.....Tokyo, Japan
Keiogijuku, A.B., 1892; A.M., 1896.
*Political Economy and Finance, Sociology and Statistics, International Law.*

NELSON, LEON MAURICE.....(Bklyn) New York City
University of Cincinnati, A.B., 1898
*Philosophy.*

NEWBORG, HILDA.....(Mhtn) New York City
Columbia University, A.B., 1900.
*American History.*

NEWCOMB, VIRGINIA.....(Mhtn) New York City
Columbia University, A.B., 1900.
*Romance Languages and Literatures, Latin.*

†NUTTING, HELEN.....(Mhtn) New York City
Vassar College, A.B., 1901.
*Education.*

OGILVIE, IDA HELEN.....(Mhtn) New York City
Bryn Mawr College, A.B., 1900.
*Geology, Zoölogy, Palæontology.*

OLSEN, ROBERT BRENTON.....Walla Walla, Wash.
Whitman College, A.B., 1900.
Columbia University, A.M., 1901.
*Political Economy and Finance, Sociology and Statistics, International Law, Roman Law, and Comparative Jurisprudence.*

OPPENHEIMER, FLORENCE.....(Mhtn) New York City
Columbia University, A.B., 1901.
*Sociology and Statistics, Philosophy.*

ORNSTEIN, MARTHA.....(Mhtn) New York City
Columbia University, A.B., 1899; A.M., 1900.
*Mathematics, Mechanics, Sociology and Statistics, European History.*

OSBORN, BESSIE MAY.....Yonkers, N. Y.
Columbia University, A.B., 1901.
*Greek.*

OSBORNE, EVELYN.....(Mhtn) New York City
Columbia University, A.B., 1900; A.M., 1901.
*Romance Languages and Literatures, English.*

O'SHEA, WILLIAM JAMES.....(Bklyn) New York City
College of the City of New York, B.S., 1887.
Manhattan College, M.S., 1889.
*Education, Philosophy, History.*

PAPAZIANTZ, MASHTOTZ VARTABED.....(Mhtn) New York City
Seminary of Armenian Patriarchat of Constantinople, B.D., 1896.
*Sociology and Statistics.*

*PATRI, ANGELO.....(Mhtn) New York City
College of the City of New York, A.B., 1897.
*Education, English.*

PEET, THEODORE.....(Mhtn) New York City
Yale Univeristy, A.B., 1877.
*Germanic Languages and Literatures, Romance Languages and Literatures.*

†PERCIVAL, MARY.....Auburn, Me.
Mt. Holyoke College, A.B., 1898.
*Education, English.*

PERIAM, ANNINA.....Newark, N. J.
The Woman's College of Baltimore, A.B., 1898.
Columbia University, A.M., 1901.
*Germanic Languages and Literatures, English.*

PERRIN, ERNEST NOËL.....(Mhtn) New York City
Harvard University, A.B., 1882.
Columbia University, LL.B., 1885.
*Romance Languages and Literatures, Education.*

PERSONS, FREDERICK TORREL.....Winsted, Conn.
Yale University, A.B., 1894.
*English, Church History.*

PERSONS, WILLIAM FRANK.....(Mhtn) New York City
Cornell College, Ph.B., 1900.
*Sociology and Statistics.*

* Also a candidate for the Higher Diploma, Teachers College.
† Also a candidate for the Secondary Diploma, Teachers College.

PESKIN, SAMUEL.....(Mhtn) New York City
Real Gymnasium, Russia.
University of New York, M.D., 1898.
*Political Economy and Finance, Sociology and Statistics, Philosophy.*

PFIZER, ALICE M. H.....(Bklyn) New York City
Adelphi College, A.B., 1899.
*Political Economy and Finance, Sociology and Statistics, Psychology.*

†PHELPS, EDNA HARRIET.....Princeton, Ill.
Knox College, B.S., 1897.
*Education, English.*

PHILLIPS, ULRICH BONNELL.....Milledgeville, Ga.
University of Georgia, A.B., 1897; A.M., 1899.
*American History, European History, Political Economy and Finance.*

PHIPPS, CHARLES BELDING.....East Rockaway, L. I.
Colgate University, B.S., 1901.
*Chemistry, Mechanical Engineering.*

PICKHARDT, ERNEST WILLIAM SUTTON.....(Mhtn) New York City
Harvard University, A.B., 1898.
New York Law School, LL.B., 1900.
*Greek, Greek Archæology, Latin.*

PRETZFELD, CHARLES JOSEPH.....(Mhtn) New York City
Columbia University, A.B., 1898; A.M., 1900.
*Chemistry, Physics.*

*PUGLIESE, ANTHONY J.....(Mhtn) New York City
College of the City of New York, A.B., 1897.
*Education.*

PUTNAM, BERTHA HAVEN.....(Mhtn) New York City
Bryn Mawr College, A.B., 1893.
*Sociology and Statistics, Political Economy and Finance, European History.*

QUACKENBOS, GEORGE PAYN.....(Mhtn) New York City
Columbia University, A.B., 1900; A.M., 1901.
*Latin, Greek, Sanskrit.*

QUIMBY, ERNEST SCOTT.....(Mhtn) New York City
Wesleyan University, A.B., 1896.
*English, Education.*

RADIN, MAX.....(Mhtn) New York City
College of the City of New York, A.B., 1899.
*Greek.*

*RAFFERTY, WILLIAM B.....(R) New York City
St. Lawrence University, A.B., 1890.
*Education.*

†RAND, EDITH EDWINA.....Pasadena, Cal.
Smith College, A.B., 1899.
*Education, Zoölogy, Botany.*

REILEY, CATHARINE CAMPBELL.....(Mhtn) New York City
Vassar College, A.B., 1895.
*Latin, Greek.*

REIMER, ISABELLE ADAMS.....East Orange, N. J.
Vassar College, A.B., 1895
*Sociology and Statistics, Political Economy and Finance, English.*

RIEDERER, HERMAN SIMON.....(Mhtn) New York City
College of the City of New York, B.S., 1898.
Columbia University, M.A., 1901.
*Chemistry, Metallurgy, Physics.*

RENNERT, ROSINA JULIA.....(Mhtn) New York City
Columbia University, A.B., 1901.
*Botany, Zoölogy, Psychology.*

* Also a candidate for the Higher Diploma, Teachers College.
† Also a candidate for the Secondary Diploma, Teachers College.

*Reynolds, James Joseph.....(Mhtn) New York City
College of the City of New York, B.S., 1893.
New York University, LL.B., 1897.
*Education, Psychology.*

Roberts, Alfred Eugene.....Wethersfield, Conn.
Wesleyan University, A.B., 1899.
*Chemistry, Physics.*

Rogers, Austin Flint.....Kansas City, Mo.
University of Kansas, A.B., 1899; A.M., 1900.
*Mineralogy.*

Rollins, Frank.....(Mhtn) New York City
Wesleyan University, A.B., 1889.
*Education, Sociology and Statistics, Psychology.*

*Roop, Marcus J.....Ridgefield, N. J.
New Brunswick Theological Seminary, A.B., 1893; B.D., 1896.
*Philosophy.*

Royce, Sarah Grace.....Brownsville, Vt.
Smith College, A.B., 1890.
*Greek, Latin, Education.*

Rubinow, Isaac Max.....(Mhtn) New York City
Columbia University, A.B., 1895.
New York University, M.D., 1898.
*Political Economy and Finance, Sociology and Statistics.*

Salant, William.....(Mhtn) New York City
Cornell University, B.S., 1894.
Columbia University, M.D., 1899.
*Zoölogy, Physiology, Botany.*

Saleski, Mary Agnes.....(Mhtn) New York City
Wesleyan University, A.B., 1900.
*Sociology and Statistics.*

Sanville, Florence Lucas.....(Mhtn) New York City
Columbia University, A.B., 1901.
*Sociology and Statistics, European History.*

Scharff, Violette Eugénie.....(Bklyn) NewYork City
Adelphi College, A.B., 1900.
*Romance Languages and Literatures, Education.*

Schlockow, Oswald.....(Br) New York City
College of the City of New York, B.S., 1894.
New York University, Pd.M., 1898.
*Education, Philosophy, Psychology.*

Schuyler, Montgomery, Jr.....(Mhtn) New York City
Columbia University, A.B., 1899; A.M., 1900.
*Indo-Iranian, Romance Languages and Literatures.*

Scott, George Gilmore.....Geneseo, N. Y.
Williams College, A.B., 1898; A.M., 1899.
*Zoölogy, Physiology, Botany.*

†Seymour, Bina.....(Mhtn) New York City
Vassar College, A.B., 1898.
*Geography, Geology.*

Shaw, Charles Franklin.....Philadelphia, Pa.
Harvard University, A.B., 1901.
*Sociology and Statistics.*

*Shaw, Ira Dennison.....South Northfield, Vt.
Oberlin College, A.B., 1898.
*Education, Philosophy.*

Shepard, Woolsey Adams.....(Mhtn) New York City
Columbia University, A.B., 1901.
*Constitutional Law, American History, Criminal Law.*

* Also a candidate for the Higher Diploma, Teachers College.
† Also a candidate for the Secondary Diploma, Teachers College.

SHIELS, ALBERT.....Mt. Vernon, N. Y.
College of the City of New York, A.B., 1886.
New York University, Pd.M., 1900; A.M., 1901.
*Education, Philosophy, Psychology.*

SHIPHERD, THEODORE MERRELL.....Southold, N. Y.
Williams College, A.B., 1899.
*Sociology and Statistics.*

SIMONDS, ROYAL A.....Cold Spring Harbor, N. Y.
Grant University, A.B., 1895.
Garrett B. Institute, B.D., 1900.
*Sociology and Statistics.*

SIMPSON, EDNA BELL.....Beaver Falls, Pa.
Columbia University, A.B., 1900.
*Comparative Literature, German.*

SHUPRO, JACOB J.....(Mhtn) New York City
College of the City of New York, B.S., 1899.
*Sociology and Statistics, Political Economy and Finance.*

SMALL, HERBERT FĒDOR.....(Mhtn) New York City
Columbia University, A.B., 1901.
*Comparative Literature, English.*

SMITH, ALEXANDER GODFREY.....(Bklyn) New York City
Columbia University, A.B., 1900.
*Psychology, Education, English.*

SMITH, ALMERON WARREN.....(Mhtn) New York City
University of Michigan, B.L., 1884.
*Constitutional Law, European History.*

SMITH, EDWARD LAWRENCE.....Newark, Del
Delaware College, A.B., 1896; A.M., 1899.
*Romance Philology, Romance Languages and Literatures.*

SMITH, M. C. M.....Plymouth, Mass.
Massachusetts Institute of Technology, S.B., 1900.
*Psychology.*

SMITH, PRESERVED.....Amherst, Mass.
Amherst College, A.B., 1901.
*European History, American History, Constitutional Law.*

*SMITH, WILLIAM WALTER.....(Mhtn) New York City
Princeton University, A.B., 1889; A.M., 1892.
Columbia University, M.D., 1895.
*Education, Psychology.*

*SNOW, LOUIS FRANKLIN.....Elizabeth, N. J.
Brown University, Ph.B., 1887.
Harvard University, A.B., 1889; A.M., 1890.

SOLOMON, ELIAS L.....(Mhtn) New York City
College of the City of New York, A.B., 1900.
*Philosophy, Education, Semitics.*

SPAULDING, EDWARD GLEASON.....(Mhtn) New York City
University of Vermont, B.S., 1894.
Columbia University, A.M., 1896.
University of Bonn, Ph.D., 1900.
*Zoölogy, Physiology.*

SPAULDING, FRANK BENTON.....(Bklyn) New York City
St. Lawrence University, B.S., 1895.
*Education.*

SPAULDING, LEILA CLEMENT.....(Mhtn) New York City
Vassar College, A.B., 1899.
Columbia University, A.M., 1901.
*Greek.*

SPENCER, HENRY RUSSELL.....Skowhegan, Me.
Colby College, A.B., 1899.
Columbia University, A.M., 1901.
*American History, European History, Political Economy and Finance.*

* Also a candidate for the Higher Diploma, Teachers College.

*Springmeyer, Charles Edward.....(Mhtn) New York City
College of the City of New York, A.B., 1897.
*Education.*

Stackpole, Everett Birney.....Bradford, Mass.
Bowdoin College, A.B., 1900.
*Political Economy and Finance, Sociology and Statistics, International Law.*

Starr, Frederick.....(Mhtn) New York City
College of the City of New York, B.S., 1899.
*Romance Languages and Literatures.*

St. Clair, Harry Hull, 2d.....(Mhtn) New York City
Columbia University, A.B., 1900.
*Indo-Iranian, Anthropology.*

Stepanek, Beatrice.....Canton, N. Y.
Wellesley College, A.B., 1895.
*Greek, Latin, Education.*

Stephens, Julia Ward.....(Mhtn) New York City
Vassar College, A.B., 1893.
*Latin.*

Stevens, Frank Gilbert Haven.....Pasadena, Cal.
University of Southern California, A.B., 1899.
*Sociology and Statistics.*

†Stimson, Julia Catherine.....(Mhtn) New York City
Vassar College, A.B., 1901.
*Zoölogy, Education.*

Stoddart, Charles William.....Yonkers, N. Y.
Columbia University, A.B., 1900; A.M., 1901.
*Chemistry, Metallurgy.*

Stoeckius, Alfred.....(Mhtn) New York City
Columbia University, A.M., 1900.
*Germanic Languages and Literatures.*

Stone, Dora.....(Mhtn) New York City
S. I. Vidinsky, Gymnasium Odessa A.B., 1898.
*European History.*

†Stone, Laura Isabel.....Leroy, N. Y.
Syracuse University, A.B., 1895.
*Education.*

Stratford, Aline Croquet.....(Bklyn) New York City
Columbia University, A.B. 1897, A.M., 1899.
*Romance Languages and Literatures, English.*

Straus, Sara.....(Mhtn) New York City
Columbia University, A.B., 1900.
*Political Economy and Finance, Philosophy.*

Sumner, Mary Brown.....(Mhtn) New York City
Columbia University, A.B., 1900.
*Political Economy, and Finance.*

Sutton, Walter Stanborough.....Kansas City, Kan.
University of Kansas, A.B., 1900; A.M., 1901.
*Zoölogy, Physiology.*

*Suzzallo, Anthony Henry.....Alameda, Cal.
Leland Stanford, Jr., University, A.B., 1899.
*Education, Sociology and Statistics, Psychology.*

*Swift, Fletcher Harper.....(Bklyn) New York City
Dartmouth College, A.B., 1898.
*Education.*

Takata, Masakazu.....Tokyo, Japan
Keiogijuku, A.B., 1898; A.M., 1901.
*Political Economy and Finance, Sociology and Statistics, International Law.*

* Also a candidate for the Higher Diploma, Teachers College.
† Also a candidate for the Secondary Diploma, Teachers College.

TAMURA, SATORU TETSU.....Tokyo, Japan
Simpson College, B. S., 1900.
State University of Iowa, M. S., 1901.
*Mechanics, Physics, Chemistry.*

TANAKA, HODZUMI.....Tokyo, Japan.
Tokyo Semmon-Gakko, A.B., 1896.
*Political Economy and Finance, Sociology and Statistics, International Law.*

TATLOCK, JESSIE MAY.....(Mhtn) New York City
Bryn Mawr College, A.B., 1900.
*Latin.*

TAVENNER, EUGENE.....(Mhtn) New York City
Columbia University, A.B., 1901.
*Latin, Latin Epigraphy, Greek.*

TENNEY, ALVAN ALONZO.....(Bklyn) New York City
Columbia University, A.B., 1898; A.M., 1899.
*Sociology and Statistics, Political Economy and Finance, Constitutional Law, Administrative Law.*

†TERHUNE, BEEKMAN RAMSEY.....Ridgewood, N. J.
Princeton University, A.B., 1901.
*Education, Latin.*

THAYER, HARVEY WATERMAN.....Portland, Me.
Harvard College, A.B., 1896.
*Germanic Languages and Literatures, English.*

THOMAS, DAVID YANCEY.....Cayce, Ky.
Emory College, A.B., 1894.
Vanderbilt University, A.M., 1898.
*American History, European History, Constitutional Law, International Law.*

THOMAS, JAMES BISHOP.....Plymouth, Mass.
Rutgers College, A.B., 1892.
Cambridge Episcopal Theological School, B.D., 1895.
University of Halle, Ph.D., 1900.
*Sociology and Statistics.*

*THOMAS, WINFIELD SCOTT.....(Mhtn) New York City
Johns Hopkins University, A.B., 1889.
*Education, Philosophy, Psychology.*

THOMPSON, FENWICK WILLIAMS.....(Mhtn) New York City
Dalhousie University, A.B., 1891.
*Sociology and Statistics.*

THOMPSON, HOLLAND.....(Mhtn) New York City
University of North Carolina, Ph.B., 1895.
Columbia University, A.M., 1900.
*Sociology and Statistics.*

THOMPSON, RAY WALTER.....(Mhtn) New York City
Stanford University, A.B., 1901
*Political Economy and Finance, Sociology and Statistics, American History.*

TILDSLEY, JOHN LEE.....(Mhtn) New York City
Princeton University, A.B., 1893; A.M., 1894.
Halle University, Ph.D., 1898
*Political Economy and Finance.*

TITSWORTH, SUSAN SAYRE.....Milwaukee, Wis.
Smith College, A.B., 1897.
*European History, American History, English.*

TORREY, JOHN CUTLER.....Burlington, Vt.
University of Vermont, A.B., 1898.
*Zoölogy, Botany, Physiology.*

TRAVIS, THOMAS.....Bloomfield, N. J
Wesleyan University, Ph.B., 1900.
*Sociology and Statistics.*

TREAT, PAYSON JACKSON.....(Mhtn) New York City
Wesleyan University, A.B., 1900.
*Education, European History.*

* Also a candidate for the Higher Diploma, Teachers College.
† Also a candidate for the Secondary Diploma, Teachers College.

TROWBRIDGE, EDWIN KELLOGG.....(Mhtn) New York City
Williams College, A.B., 1899.
Columbia University, A.M., 1900.
*Physics, Chemistry, Mineralogy.*

TRYON, HAROLD HARRISON.....Cynwyd, Pa.
University of Pennsylvania, A.B., 1900.
*Political Economy and Finance, Sociology and Statistics.*

*TUCKER, ALICE BLYTHE.....Owen Sound, Ont.
Toronto University, A.B., 1896; A.M., 1901.
*Education, American History.*

*TUCKER, LOUISE EMERY.....(Bklyn) New York City
Adelphi College, A.B., 1900.
Columbia University, A.M., 1901.
*Education.*

TUCKER, SAMUEL MARION.....Spartanburg, S. C.
Wofford College, A.B., 1896.
*English, Comparative Literature.*

UPTON, EDWIN CARLETON.....(Mhtn) New York City
University of Maine, B.S., 1897.
*English, Education.*

VAN AKEN, ELBERT WAYLAND.....Pittsfield, Mich.
Hillsdale College, A.B., 1899.
*Sociology and Statistics.*

VON MINCKWITZ, RICHARD ALEXANDER.....(Mhtn) New York City
Universities of Leipzig and Marburg, 4 years.
*Latin, Roman Archæology, Greek.*

VOORHEES, FLORENCE AUGUSTA.....(Br) New York City
Oberlin College, A.B., 1900.
*Sociology and Statistics.*

VORIS, FLOYD THOMAS.....Storm Lake, Ia.
Highland Park, Normal College, B.S., 1892.
*Physics, Chemistry.*

VOSBURGH, CHARLES HERBERT.....(Q) New York City
Union College, B.E., 1896.
*Physiological Chemistry, Physiology.*

*WADE, JOHN EDGAR.....(Mhtn) New York City
College of the City of New York, B.S., 1897.
*Psychology Education.*

WAGNER, EMILIE.....(Mhtn) New York City
Women's College of Baltimore, A.B., 1894.
*Music.*

WAKEFIELD, RALPH.....Kansas City, Mo.
Baker University, A.B., 1898; A.M., 1899.
*Sociology and Statistics.*

WALDMAN, MARCUS.....(Mhtn) New York City
Konigl. Lehrer-Seminar, Sagan, 1899.
*Philosophy, Education, Psychology.*

WALDORF, LEE.....Clyde, N. Y.
Syracuse University, Ph.B., 1899.
*Sociology and Statistics, Political Economy and Finance, American History.*

WALKER, MARTIN.....(Mhtn) New York City
Concordia College, A.B., (equiv.) 1896.
*European History, American History, German.*

WALLACH, ALMA FRANK.....(Mhtn) New York City
Columbia University, A.B., 1901.
*Comparative Literature, Philosophy, English.*

* Also a candidate for the Higher Diploma, Teachers College

WASHINGTON, CHARLES MILNOR.....Locust, N. Y.
Yale University, A.B., 1889; LL.B., 1895; A.M., 1901.
*Science of Language, Romance Philology.*

*WATSON, LAKE GEORGE.....Richmond, Ind.
Earlham College, Ph.B., 1900.
*Education, Manual Training, German.*

WEIDNER, DAVID T.....Birdsboro, Pa.
New York University, A.B., 1901.
*Semitics.*

WEIR, WILLIAM NICHOLAS.....Carmel, N. Y.
*European History, American History, Sociology and Statistics.*

WESTON, CHARLES PARTRIDGE.....Madison, Me.
Maine State College, B.C.E., 1896.
University of Maine, C.E., 1899.
*Mechanics, Mathematics, Astronomy.*

WHITE AMELIA ELIZABETH.....(Mhtn) New York City
Bryn Mawr College, A.B., 1901.
*Comparative Literature, English.*

WHITE, CHARLES BROWNING.....(Mhtn) New York City
Harvard University, A.B., 1896.
*International Law, Comparative Literature.*

WHITE, D. CHARLES.....Detroit, Mich.
Hobart College, A.B., 1899.
*Sociology and Statistics.*

WHITIN, FREDERICK HENRY.....(Mhtn) New York City
*Political Economy and Finance, Sociology and Statistics, American History, International Law.*

WIECHMANN, FERDINAND GERHARD.....(Mhtn) New York City
Columbia University, Ph.B., 1881; Ph.D., 1882.
*Physics, Electrical Engineering.*

WILHELM, CARRIE ELIZABETH.....Marietta, O.
Denison University, A.B., 1897.
*Sociology and Statistics.*

WILLARD, NELSON WOLCOTT.....Galesburg, Ill.
Harvard University, A.B., 1898.
*Greek, Latin.*

WILLIAMS, DANIEL JENKINS.....Genesee Depot, Wis.
University of Wisconsin, A.B., 1899.
*Sociology and Statistics, Church History.*

WILLIAMS, JAMES MICKEL.....Waterville, N. Y.
Brown University, A.B., 1898.
*Political Philosophy, Administrative Law.*

WILLIAMS, JOHN.....(Mhtn) New York City
Trinity College, Hartford, A.B., 1890; A.M., 1893.
*Philosophy, European History.*

WILSON, JANE STEDMAN.....(Mhtn) New York City
Lake Forest University, A.B., 1888.
*Latin, Greek.*

WILSON, JOHN HENRY.....(Mhtn) New York City
St. Stephens College, A.B., 1896; A.M., 1899.
St. Francis Xavier, New York University, A.M., 1898.
*Education, Psychology, Philosophy.*

WILSON, WILBUR FISK.....Victor, N. Y.
Northwestern University, A.B., 1896.
*English, Education, Church History.*

* Also a candidate for the Higher Diploma, Teachers College.

WINTER, ALPHEUS, Jr. ..... (Mhtn) New York City
Centre College, A.B., 1899.
Columbia University, A.M., 1900.
*American History, European History, Political Economy and Finance.*

WIRÉN, MYRA ..... Minneapolis, Minn.
Minnesota State University, B.L., 1900.
*Comparative Literature, English.*

WISSLER, CLARK ..... (Mhtn) New York City
Indiana University, A.B., 1897; A.M., 1899.
Columbia University Ph.D., 1901.
*Psychology.*

WOLF, NATHAN ..... (Mhtn) New York City
New York University, Ph.B., 1900.
*Philosophy, Education, Semitics.*

WOLFF, GERTRUDE ..... (Mhtn) New York City
Columbia University, A.B., 1896.
*Latin.*

WOLFF, SAMUEL LEE ..... (Mhtn) New York City
Harvard University, A.B., 1892.
Columbia University, A.M., 1895; LL.B., 1896.
*Comparative Literature, English.*

†WOOD, CHARLES WINTER ..... Tuskegee, Ala.
Beloit College, A.B., 1895; A.M., 1896.
*Education, English.*

WOODHULL, MARIANNA ..... (Mhtn) New York City
Smith College, A.B., 1887.
*Comparative Literature.*

WOODHULL, MARY CALDWELL ..... Craigville, N. Y.
Columbia University, A.B., 1900.
*Sociology and Statistics, European History.*

WOODRUFF, LORANDE LOSS ..... (Mhtn) New York City
Columbia University, A.B., 1901.
*Zoölogy, Physiology.*

WURZBURGER, JULIA ..... (Mhtn) New York City
Columbia University, A.B., 1900.
*English.*

*YARRINGTON, ADRIAN MONROE ..... (Mhtn) New York City
Cornell University, B.L., 1892.
*Education, Political Economy and Finance.*

†YOHANNAN, ISAAC ..... (Mhtn) New York City
Columbia University, A.B., 1897; A.M., 1899.
*Education.*

YOUNG, DAVID KING, Jr. ..... (Mhtn) New York City
University of Tennessee, B.S., 1899.
*Sociology and Statistics.*

YOUNG, STARK ..... Oxford, Miss.
University of Mississippi, A.B., 1901.
*English, Comparative Literature.*

YOUTZ, LEWIS ADDISON ..... Perry, Iowa
Simpson College, Ph.B., 1890; Ph.M., 1893.
*Chemistry, Mineralogy.*

ZELENY, CHARLES ..... Hutchinson, Minn.
University of Minnesota, B.S., 1898; M.S., 1901.
*Zoölogy, Botany, Physiology.*

ZIEGLER, CHARLES EDWARD ..... (Br) New York City
College of the City of New York, A.B., 1898.
*Education, English.*

* Also a candidate for the Higher Diploma, Teachers College.
† Also a candidate for the Secondary Diploma, Teachers College.

SUMMARY

| | | |
|---|---|---|
| STUDENTS PRIMARILY REGISTERED UNDER THESE FACULTIES ** | | 483 |
| STUDENTS FROM OTHER FACULTIES OF THE UNIVERSITY, CANDIDATES FOR THE DEGREES OF A.M. OR PH.D.: | | |
| From the School of Law | 67 | |
| From the School of Medicine | 19 | |
| From the Schools of Applied Science | 1 | |
| | | 87 |
| TOTAL | | 570 |

** Of these, 85 students are also registered in Teachers College.

## BARNARD COLLEGE

### TRUSTEES

Abram S. Hewitt, LL.D., *Chairman*
Mrs. A. A. Anderson, *Vice-Chairman*
Edward W. Sheldon, *Secretary*
George A. Plimpton, *Treasurer*

Miss Helen Dawes Brown
Silas B. Brownell, LL.D.
Mrs. William C. Brownell
Mrs. Joseph H. Choate
Miss Florence Colgate
Frederic R. Coudert, LL.D.
Rev. William M. Grosvenor, D.D.
Frederick B. Jennings
Franklin B. Lord
Seth Low, LL.D.
Hamilton W. Mabie, L.H.D.
Mrs. Alfred Meyer
Mrs. Henry N. Munn
Mrs. Henry F. Osborn
Mrs. George Haven Putnam
Mrs. Henry M. Sanders
Mrs. James S. T. Stranahan
Mrs. James Talcott
Frederick S. Wait
Everett P. Wheeler

### Officers of Administration

Mary F. Knox, A.B., *Registrar*
Anna E. H. Meyer, A.B., *Secretary to the Dean*
N. W. Liggett, A.B., *Bursar*
M. H. Gibson, *Head of Fiske Hall*

### THE FACULTY

Nicholas Murray Butler, LL.D., *Acting President*
Laura D. Gill, A.M., *Dean*

Thomas R. Price, M.A., LL.D. . . *Professor of the English Language and Literature*
Edwin R. A. Seligman, Ph.D. . . . *Professor of Political Economy and Finance*
Herbert L. Osgood, Ph.D. . . . . *Professor of History*
Edward Delavan Perry, Ph.D. . *Jay Professor of Greek Language and Literature*
William Hallock, Ph.D. . . . . *Adjunct Professor of Physics*
George Rice Carpenter, A.B. . . . *Professor of Rhetoric and English Composition*
Franklin Henry Giddings, Ph.D., LL.D. . . . *Professor of Sociology*
John B. Clark, Ph.D., LL.D. . . . . *Professor of Political Economy*

JAMES RIGNALL WHEELER, Ph.D. . . . . *Professor of Greek*
FRANK N. COLE, Ph.D. . . . . *Professor of Mathematics*
JAMES HARVEY ROBINSON, Ph.D. . . . . *Professor of History*
CALVIN THOMAS, A.M. . *Gebhard Professor of the Germanic Languages and Literatures*
CARLO LEONARDO SPERANZA, A.M., B. ès L. . . . . *Adjunct Professor of the Romance Languages and Literatures*
WILLIAM P. TRENT, M.A., LL.D. . . . . *Professor of English Literature*
MORTIMER LAMSON EARLE, Ph.D. . . . . *Professor of Classical Philology*
NELSON GLENN MCCREA, Ph.D. . . . . *Adjunct Professor of Latin*
HERBERT G. LORD, M.A. . . . . *Professor of Philosophy*
HENRY E. CRAMPTON, Jr., Ph.D. . . . . *Adjunct Professor of Zoölogy*
BENJAMIN D. WOODWARD, Ph.D. . *Adjunct Professor of the Romance Languages and Literatures*

**Other Officers of Instruction**

ARTHUR MORGAN DAY, A.M. . *Instructor in Political Economy and Social Science*
WILLIAM TENNEY BREWSTER, A.M. . . . . *Instructor in English*
HERBERT MAULE RICHARDS, S.D. . . . . *Instructor in Botany*
CHARLES KNAPP, Ph.D. . . . . *Instructor in Classical Philology*
MARGARET E. MALTBY, Ph.D. . . . . *Instructor in Chemistry*
WILLIAM S. DAY, Ph.D. . . . . *Tutor in Physics*
HENRY JAGOE BURCHELL, Jr., A.M. . . . . *Tutor in Classical Philology*
LOUISE BRISBIN DUNN, A.M. . . . . *Tutor in Botany*
EDWARD KASNER, Ph.D. . . . . *Tutor in Mathematics*
RUDOLF TOMBO, Sr., Ph.D. . . . . *Tutor in German*
WILLIAM FINDLAY, Ph.D. . . . . *Tutor in Mathematics*
HENRY BARGY, A.M. . *Tutor in the Romance Languages and Literatures*
WILHELM ALFRED BRAUN, A.B. . . . . *Tutor in German*
WILLIAM A. NITZE, Ph.D. . . . *Lecturer in the Romance Languages and Literatures*
W. ROY SMITH, A.B. . . . . *Lecturer in History*
JAMES T. SHOTWELL, A.B. . . . . *Lecturer in History*
HARRY ALONZO CUSHING, LL.B., Ph.D. . . . . *Lecturer in History*
ELLEN SCOTT DAVISON, A.M. . . . . *Lecturer in History*
ELEANOR KELLER, A.B. . . . . *Lecturer in Chemistry*
ADA WATTERSON, A.M. . . . . *Assistant in Botany*
GRACE ANDREWS, Ph.D. . . . . *Assistant in Mathematics*
JEANNETTE BLISS GILLESPY, A.B. . . . . *Assistant in Rhetoric*
VIRGINIA CROCHERON GILDERSLEEVE, A.M. . . . . *Assistant in Rhetoric*
GERTRUDE M. HIRST, A.M. . . . . *Assistant in Classical Philology*
WILLIAM E. KELLICOTT, A.B. . . . . *Assistant in Zoölogy*
GEORGE I. FINLAY, A.B. . . . . *Assistant in Geology*
JULIA NELSON COLLES, A.B. . . . . *Assistant in Physics*
GUSTAV HINRICHS. . . . . *Conductor of Music*

For other officers of the University who may give instruction to students of Barnard College, consult the several departmental statements.

In 1883 the Trustees of Columbia College offered degrees to women who should be able to pass the necessary examinations, without, however, providing instruction for them. The resulting system, called *The Collegiate Course for Women*, proved unsatisfactory to both parties. It was found necessary to provide instruction for women which should be identical with or equivalent to that provided by Columbia for men, and in 1889 Barnard College was organized with this purpose in view.

For eleven years it duplicated for women as far as possible the curriculum of Columbia College, and also registered for graduate work under the University Faculties women who held the bachelor's degree from institutions of good standing. Its instructors were members of the university staff. Examinations for entrance to Barnard College, those given in course and those for degrees, were conducted by Columbia University. During the first three undergraduate years separate instruction was given to women; in the senior year they were admitted to certain courses in the University. Graduate students attended many courses at Columbia University under the Faculties of Philosophy and Political Science. Under the Faculty of Pure Science, lecture courses only were open at the University, laboratory work being done at Barnard College

However, Barnard's numerical growth has for several years past made inappropriate the informal arrangement for instruction which was the natural method at the outset. Its students form a considerable fraction of the total number of undergraduates under the care of Columbia instructors, and the graduates registered through Barnard have had an appreciable effect upon the university statistics. It became necessary to recognize formally the status which had gradually come into existence, and accordingly an agreement was this past year entered into by which Barnard is included in the university system. Its experience in relation to Columbia has differed widely from that of any other affiliated college in relation to its university. The gradual *rapprochement* consummated in the agreement signed in January, 1900 has proceeded without check. Barnard is an independent college for women, with a corporation and a faculty of its own, vested with all the powers commonly belonging to such bodies. At the same time, it shares the library, the instruction, and the degrees of Columbia University.

A more exact idea of the relations between Barnard College and Columbia University is given by the following *résumé* of the agreement above mentioned.

According to the agreement made January 19, 1900, between the Trustees of Columbia University and Barnard College, for the purpose of incorporating Barnard College, a college for women, in the educational system of the University, it is provided:

That the President of the University shall be, *ex-officio*, President of Barnard College and a Trustee of Barnard College. He shall preside at the meetings of the Faculty of Barnard College, and shall have general supervision and direction of the educational administration of such College as in the other schools of the University.

That the internal administration of Barnard College shall be conducted by a Dean, who shall be appointed by the President of the University, by and with the advice and consent of the Trustees of Barnard College. In the absence of the Dean, an Acting Dean may be appointed by the President.

That Barnard College shall be represented in the University Council of Columbia University by its Dean, who shall have the right to vote in the University Council upon all questions. The Faculty of Barnard College shall consist of the President, the Dean, and all the professors on the staff of the University who give instruction in Barnard College.

That Barnard College shall provide for and maintain such officers of instruction as may, from time to time, be agreed on. Such officers shall be nominated by the Dean of Barnard College, with the approval of the Trustees of Barnard College and of the President of the University, and shall be appointed and reappointed by the University according to its custom. Their standing shall be the same in all respects as that of other like officers in the University. For all services rendered in the University by officers so appointed an equivalent amount of service shall be rendered in Barnard College by other officers of the University of like grade, as may be determined from time to time, with the consent of the officers concerned, by the Dean of the College and the President of the University.

That members of the Faculty of Barnard College may be either men or women.

That, on and after July 1, 1904, all of the instruction for women leading to the degree of Bachelor of Arts shall be given separately in Barnard College. Barnard College will assume as rapidly as possible all of the instruction for women in the senior year, without regard to the time limit contained in this section, and undertakes to maintain every professorship established at its instance, so long as the services of the incumbent thereof or an equivalent therefor shall be rendered in Barnard College; and when Barnard College has adequately provided for its undergraduate work, it will, as its means allow, establish additional professorships in the University, upon foundations providing for courses which shall be open to men and women, to the end that opportunities for higher education may be enlarged for both men and women.

That the University will accept women who have taken their first degree on the same terms as men, as students of the University, and as candidates for the degrees of Master of Arts and Doctor of Philosophy under the Faculties of Philosophy, Political Science, and Pure Science, in such courses as have been or may be designated by these

Faculties, with the consent of those delivering the courses, and will make suitable provision for the oversight of such women. The University will confer the degree of Bachelor of Arts upon the students of Barnard College who shall have satisfactorily fulfilled in Barnard College the requirements of the University Statutes for that degree. The courses in Barnard College leading to the degree of Bachelor of Arts shall be determined and administered by its own Faculty, and all examinations for admission to Barnard College and in course shall be conducted under the authority of the Faculty of Barnard College. The diploma shall be signed by the President of the University and by the Dean of Barnard College. The degree of Bachelor of Arts conferred upon the graduates of Barnard College shall be maintained at all times as a degree of equal value with the degree of Bachelor of Arts conferred upon the graduates of Columbia College. The equivalency of the two degrees shall be maintained in such manner as the University Council may prescribe.

That, so long as this agreement is in force, Barnard College shall grant no degrees. It shall retain the right to grant certificates to students not candidates for a degree, and it shall exercise all other corporate rights and powers which are not delegated to the University by this agreement. But this agreement shall not be deemed a surrender by Barnard College of any powers conferred upon it by charter.

That Barnard College shall retain its separate corporate organization, and that the Trustees of Barnard College shall continue to provide for the financial support thereof.

That the library of the University shall be open to all women students of the University and of Barnard College upon the same terms as to men.

By the terms of an agreement between Columbia University and Barnard and Teachers Colleges, students of Teachers College are permitted to attend courses in Barnard College. This institution offers reciprocal advantages to the students of Barnard College. Courses which are counted toward a Teachers College diploma and are open to seniors in Columbia College, are also open to seniors of Barnard College.

## ADMISSION

The Committee on Admissions has charge of everything relating to this subject.

*All students, with the exception specified below, must have passed the examination for matriculation.*

Candidates for the bachelor's degree must have fulfilled the requirements for admission, below, and must conform to the regulations governing the course of study leading to the degree of Bachelor of Arts. (For particulars see the Announcement of Barnard College.) Students who do not wish to proceed to a degree are enrolled as special

students; they will, however, in the event of a change of plan, be credited with such of their courses as may coincide with the courses leading to a degree.

Special students may be admitted to courses in music without examination in other subjects.

Candidates for admission to the freshman class must, at the time of matriculation, be at least fifteen years of age; and for admission to advanced standing a corresponding increase of age is required; but exceptions to this rule may be made when, in the opinion of the Committee on Admissions, there are sufficient reasons to justify them.

Every candidate must, before admission, present a certificate of good moral character from her last teacher, or from some citizen in good standing, and students from other institutions must bring certificates of honorable dismission.

Every candidate for admission to the freshman class is required at the entrance examinations to offer subjects amounting to fifteen (15) points * as indicated below.

The candidate *must* offer

| | | |
|---|---|---|
| English (page 189) | counting | 3 points |
| Elementary Latin (page 198) | " | 4 " |
| Elementary Mathematics (page 199) | " | 3 " |

The candidate may offer any of the following subjects without other restriction than that to offer an advanced subject will involve offering the corresponding elementary subject as well:

| | | |
|---|---|---|
| Elementary Greek (page 195) | counting | 3 points |
| Elementary History (page 196) | " | 1 point |
| Advanced Latin (page 199) | " | 1 " |
| Advanced Greek (page 196) | " | 1 " |
| Intermediate French (page 192) | " | 1 " |
| Intermediate German (page 194) | " | 1 " |
| Advanced History (page 197) | " | 1 " |
| Advanced Mathematics (page 199) | " | 1 " |
| Advanced Physics (page 200) | " | 1 " |

The candidate may offer not more than 4 points in all from the three subjects following:

| | | |
|---|---|---|
| Elementary French (page 191) | counting | 2 points |
| Elementary German (page 193) | " | 2 " |
| Spanish (page 201) | " | 2 " |

The candidate may offer not more than 2 points in all from the five subjects following:

* The several subjects are stated in terms of units; the unit is a course of five periods weekly throughout an academic year of the preparatory school; the subjects are assigned units in accordance with the time required to prepare adequately upon them for college entrance.

| | | |
|---|---|---|
| Elementary Physics (page 200) | counting | 1 point |
| Chemistry (page 188) | " | 1 " |
| Botany (page 187) | " | 1 " |
| Physiography (page 201) | " | 1 " |
| Zoölogy (page 201) | " | 1 " |

The definitions of the requirements in each subject as well as the regulations governing the filing of applications for entrance examinations and the division of examinations are the same at Barnard College as at Columbia (pp. 183–202). The examinations are held on the days and at the hour stated on page 186, at Barnard College.

### Admission on Certificates

Barnard College accepts, in lieu of its entrance examinations, no credentials of any sort except the Regents' Academic Diploma * and the certificates of universities and colleges in good standing. These credentials are accepted only for the ground which they specifically cover.

All certificates offered in lieu of entrance examinations must be sent to the chairman of the Barnard College Committee on Admissions, at least one week before the first day of the entrance examinations. The names of those candidates whose certificates are accepted in whole or in part will be posted on the Bulletin Board at least one day in advance of the beginning of the examinations.

*The separate pass-cards, the Academic Equivalent Certificate, and the several other certificates issued by the Regents of the State of New York, are not accepted by the College in lieu of the examinations.*

*The certificates of the preparatory or high-school departments of universities and colleges are not accepted by the College.*

Candidates must take the regular entrance examinations in the subjects in which their certificates are not deemed adequate.

### Report of Entrance Examinations

The Committee on Admissions will report to the Dean not later than one week after the conclusion of the entrance examinations in June the names of those candidates who, having passed a satisfactory examination, may be admitted with or without conditions, of those who must present themselves for re-examination in September, and of those who have been rejected.

* Every Regents' Academic Diploma is considered as covering the entrance requirement in English. No Regents' Academic Diploma will be accepted in lieu of the entrance examination in French unless it covers the complete three-years high-school course in French recognized by the Regents. Similarly, no Regents' Academic Diploma will be accepted in, lieu of the entrance examination in German unless it covers the complete three-years high-school course in German. A Regents' Academic Diploma, to be accepted in lieu of all parts of the examination in Latin or of the examination in Greek, must specifically cover, among other things, sight reading and prose composition. In the case of the natural sciences a Regents' Academic Diploma will not be accepted for the required laboratory work. No diploma granted more than two years before the applicant presents herself for matriculation will be accepted.

The Committee on Admissions will report to the Dean, not later than one week after the conclusion of the entrance examinations in September, the names of those candidates who, upon a final showing, may be admitted with or without conditions, and of those who have been rejected.

Except for reasons of weight, satisfactory to the Committee on Admissions, the results of an entrance examination will not be allowed to stand to the credit of a candidate for a longer period than sixteen months.

### Admission to Advanced Standing

Candidates for admission from other colleges, and those desiring to be admittted to advanced standing on examination, must make application in writing to the Barnard College Committee on Admissions. Proper blanks for the purpose may be obtained from the Dean's Secretary. The application should be made at least one week before the first day of the September entrance examinations.

Every candidate for admission to advanced standing must show that she has attained proficiency in the equivalent of :

1. The requirements for admission to the freshman class.
2. All the prescribed studies already pursued by the class to which she seeks admission.
3. As many elective studies as she would have pursued if she had entered the class at the beginning of the Freshman year.

A candidate may be admitted notwithstanding deficiencies in some of these studies, but no candidate will be recommended for the A.B. degree until she shall have brought all her studies up to the point required for that degree.

Every candidate from another college is required to furnish official statements of her record in her various college studies, and letters or other evidence showing the opinion of her instructors in regard to her scholarship and character. She should also submit a catalogue or announcement of the college that she leaves, in which are plainly marked every requirement for admission and every course of instruction for which she has received credit.

No applicant will be allowed to enter the senior class as a candidate for the degree of Bachelor of Arts after October 15 in any year.

## SCHOLARSHIPS AND PRIZES

### Trustees' Competitive Scholarship

A scholarship of $150 is awarded annually to the student who is examined at the College in June and passes the best complete entrance examination in all subjects. The papers of the students who pass free from conditions are examined by the Committee on Admissions of the Barnard College Faculty, and the student whose papers as a whole entitle her to the first rank is awarded the scholarship.

### Brooklyn Scholarships

Twelve scholarships, founded by the Trustees of Columbia University in 1895, in recognition of the gift to Columbia University by President Low of a memorial building for the Library, are open for competition to candidates for admission to Barnard College who are residents of Brooklyn, N. Y., and have received their training in either the public or the private schools of that borough. Three of these scholarships are awarded annually to the three qualified competitors who are examined in Barnard College in June and pass complete entrance examinations in all subjects. The papers of the competitors who pass without conditions will be examined by the Committee on Admissions of the Barnard College Faculty, and the three students whose papers as a whole are entitled to the highest rank will receive the scholarships.

Each scholarship entitles its holder to receive the sum of $150 per annum during the college course; but if she fail to maintain a standing of at least grade C in all of the courses pursued by her, or if she commit any breach of good order, she shall forfeit the scholarship.

Should any recipient desire, she may, while still retaining the title "Brooklyn Scholar," transfer to any properly qualified candidate from Brooklyn the income from the scholarship; and such action on her part will not be made a matter of public record.

### Ella Weed Scholarship

A scholarship of $150, founded in memory of Miss Ella Weed (who was Chairman of the Academic Committee of the Board of Trustees of Barnard College during the first five years of the existence of the College) by past and present pupils of Miss Anne Brown's School, is awarded annually to a student who needs and deserves assistance,

### Veltin School Scholarship

A scholarship of $150, given by the alumnæ of Mlle. Veltin's School, is awarded annually on the same conditions as the Ella Weed Scholarship.

### Arthur Brooks Fund

A fund of $5000 was given in 1897 by Miss Olivia E. Phelps Stokes as a memorial of the Rev. Arthur Brooks, D.D., Rector of the Church of the Incarnation, and chairman of the Board of Trustees of Barnard College during the first six years of the existence of the College. The interest of the fund is used to aid needy and deserving students of the College.

### Mrs. Donald McLean Scholarship

A scholarship of $150, founded in 1898 by the New York Chapter of the Daughters of the American Revolution, is awarded to a student who needs and deserves it, and who agrees to pursue the study of history (chiefly that of the United States) continuously throughout her course.

**Jennie B. Clarkson Scholarship**

A scholarship of $150, founded in 1898 by Mrs. W. R. Clarkson, is awarded annually to a student who deserves assistance.

**Lucille Pulitzer Scholarship**

A fund of $10,000 was given in 1899 by Joseph Pulitzer, Esq., to establish a scholarship in memory of his daughter, Lucille Pulitzer. The annual income of the fund is applied to the use of the holder of the scholarship, which is awarded by the Trustees to the undergraduate student entering the College from the city of New York who is found to have passed the best examinations and to have shown herself to be most worthy in every way.

**Emily James Smith Scholarship**

This scholarship was founded in 1899 by Miss Emily H. Bourne in honor of Miss Smith, then Dean of the College. It is awarded annually at the discretion of the founder in conference with the representatives of the College.

**Anna E. Barnard Scholarship**

This scholarship was founded in 1899 by Miss Emily H. Bourne in honor of her sister, Mrs. General John G. Barnard. It is awarded annually on the same terms as the Emily James Smith Scholarship.

**The Brearley School Scholarship**

A scholarship of $150, given in 1899 by pupils and former pupils of the Brearley School, will be awarded annually to a student who deserves assistance.

**The Eliza Taylor Chisholm Memorial Scholarship**

A scholarship of $150, given in 1901 by the Alumnæ Association of Miss Chisholm's School, will be awarded annually by the Committee on Scholarships of the Faculty to a student in need of assistance, said Alumnæ Association reserving the privilege of precedence for such candidates as they may recommend.

**The Peebles and Thompson Scholarship**

A scholarship of $150, given in 1901 by the Alumnæ Association of the Peebles and Thompson School, will be awarded annually to a student who deserves assistance.

**The Graham School Scholarship**

A scholarship of $150, given in 1901 by the Graham Alumnæ Association, is awarded annually to a student who deserves assistance.

**Fiske Scholarship**

A scholarship of $250, founded by Mrs. Josiah M. Fiske, is awarded annually to the most satisfactory graduate student in political science. The Trustees reserve the right to convert this scholarship into an undergraduate scholarship.

NOTE.—Applications for this scholarship must be filed before April 1 with the Dean of Barnard College. Blanks for the purpose may be obtained from the Dean's office.

### Hartley House Fellowship

The importance of training in accurate habits of social observation as a preparation for the technical study of advanced problems in sociology, or for the active work of philanthropy and social reform, has long been recognized by both teachers and practical workers. Provision for such training of students of Barnard College has been made in the founding of the Hartley House Fellowship. The holder of this Fellowship in 1897–98 and 1898–99 was Miss Lydia S. Cody, A.B. (Boston University), to whose suggestions and personal efforts the establishment of this instruction was largely due. The holder of the fellowship for the years 1899–1902 is Mrs. Herbert Parsons, Ph.D. Mrs. Parsons will give personal direction to students who wish to undertake observational work, and the entire instruction will be under the general charge of the Professor of Sociology. The advantages offered will include opportunities to become familiar with the work of the more important private institutions for social betterment in New York City, such as the State Charities Aid Association, the Charity Organization Society, the New York Association for Improving the Condition of the Poor, and the various social settlements, as well as to study the organization and working of various public agencies charged with the welfare of the community. This work has the coöperation of Hartley House, which extends special facilities therefor.

### Herrman Botanical Prize

A prize of $50, founded by Mrs. Esther Herrman, will be awarded annually to the most proficient undergraduate student of botany.

### Kohn Mathematical Prize

A prize of $50, founded by Mrs. S. H. Kohn, is awarded annually to a senior for excellence in mathematics. Competitors for this prize must have pursued mathematics continuously during their college course.

### Bunner Medal

By the terms of its establishment, the A. C. Bunner gold medal (page 29) is open for competition to students in Barnard College.

## REGISTER OF STUDENTS

### SENIOR CLASS

ALLEN, ELIZABETH.....(Bklyn) New York City
ALLER, GEORGETTA PLATT.....(Bklyn) New York City
ALSBERG, ELSA.....(Mhtn) New York City
ARMSTRONG, KATHARINE.....Louisville, Ky.
BELCHER, FRANCES ELINOR.....Mount Vernon, N. Y.
BERGEN, ELSA GUBNER.....(Bklyn) New York City
BERKELEY, FANNY CAMPBELL.....Morgantown, W. Va.
BOOTE, EDITH.....Yonkers, N. Y.
BROWN, JESSIE LOUISE.....(Mhtn) New York City
BUDD, MARY HUNT.....Chester, N. J.
BURTON, HARRIET WRIGHT.....(Q) New York City
CAMPBELL, ELSA PATTERSON.....Kansas City, Mo
CARLL, LYDIA ADÈLE.....(Q) New York City
CHAPIN, EDNA CARA.....Mount Vernon, N Y.
CLARK, MARGARET ELIZABETH.....Amenia Union, N. Y.
CODDINGTON, ELIZABETH CADMUS.....Passaic, N. J.
COOK, CLARA COBURN.....Yonkers, N. Y.
DE HART, GRACE LUCILLE.....Jersey City, N. J.
DONALD, REBECCA STAUNTON.....(Mhtn) New York City
DURANT, EDITH.....(Mhtn) New York City
DUTCHER, EVA OLIVE.....(Bklyn) New York City
EARLE, RUTH.....(Mhtn) New York City
ELLIMAN, MARGARET GROTE.....(Mhtn) New York City
FAIRCHILD, HELEN ADELAIDE.....New Britain, Conn.
FINNIGAN, ELIZABETH.....(Mhtn) New York City
GIGNOUX, ELISE MESSENGER.....(Mhtn) New York City
HALL, MARY DEDERICK.....Mount Vernon, N. Y.
HUNT, ELEANORE HARRISON.....Orange, N. J.
INGALLS, EDITH MAY.....New Rochelle, N. Y.
KIMBALL, VIOLA LOUISE.....Greenwich, Conn.
LA MONTE, SUE LIFE.....Owego, N. Y.
MCCOOK, JANET ALEXANDER.....(Mhtn) New York City
MCKENNEY, ANNIE PICKRELL.....Petersburg, Va.
MOLWITZ, ERNESTINE JULIA.....(Mhtn) New York City
MOORE, MARTHA WICKHAM.....Passaic, N. J.
NAUMBURG, ALICE.....(Mhtn) New York City
NEISWENDER, ADA BLANCHE CLOUSE.....(Bklyn) New York City
NEWMAN, ETHEL LEONE.....Riverside, Conn.
PETERS, GRACE MALVINA.....(R) New York City
PHELPS, ELEANOR.....(Mhtn) New York City
ROSENSTEIN, ALMA.....(Mhtn) New York City
SEIBERT, JEANNETTE ROWLAND.....(Bklyn) New York City
SEWARD, ANNIE LEDDELL.....East Orange, N. J.
SHAEN, MARY CAROLYN.....Yonkers, N. Y.
SPENCER, CARITA.....(Mhtn) New York City

TOTTEN, ELSIE LLOYD.....(Mhtn) New York City
TRIMBLE, LOUISE MATILDA.....Farmerville, La.
VAN COTT, ELEANOR ELIZABETH.....(Mhtn) New York City
WEDEMEYER, MARIE HENRIETTA DETLEF.....Boulder, Colo.
WINTERBURN, UNA ADÈLE.....Edgewater, N. J.
Senior Class.....50

## JUNIOR CLASS

ADDOMS, JESSIE ALICE.....(Mhtn) New York City
ALSOP, GULIELMA FELL.....(Bklyn) New York City
BALL, MARION ELIZABETH PRUYN.....(Mhtn) New York City
BAMBERGER, ALICE CLARA JUDITH.....(Mhtn) New York City
CAHN, ANITA GELLA.....(Mhtn) New York City
CHEESMAN, FLORENCE PALMER.....(Mhtn) New York City
CLARK, GERTRUDE HELEN.....(Mhtn) New York City
COHEN, HELEN LOUISE.....(Mhtn) New York City
FITCH, ELLICE HEATON.....(Mhtn) New York City
GROFF, MARY.....Jersey City, N. J.
GRUENING, CLARA EMILY.....(Mhtn) New York City
HARRISON, MARY FREDERICKA.....(Bklyn) New York City
HERZFELD, ELSA GOLDINA.....(Mhtn) New York City
HOLT, SARAH ADALINE.....Waverley, Mass.
HOPE, IDA MAY.....(Mhtn) New York City
HORN, ELIZABETH.....Belvidere, N. J.
HOWARD, CLARE MACLLELEN.....(Mhtn) New York City
HOWE, RUTH BOUTON.....Geneseo, N. Y.
JOHNSON, MAY AMERMAN.....(Mhtn) New York City
JONES, EDNA BLANCHE.....(Mhtn) New York City
KAUFMANN, JESSIE.....(Mhtn) New York City
KING, HELEN LOUISE.....(Mhtn) New York City
KROEBER, ELSBETH.....(Mhtn) New York City
KOHN, LUCILE.....(Mhtn) New York City
LATHAM, MARION ELIZABETH.....(Mhtn) New York City
LOCKWOOD, HILDA LE GRAND.....(Mhtn) New York City
MERRILL, MAY.....Minneapolis, Minn.
MILLER, JEAN WALLACE.....(Mhtn) New York City
MOEN, MARY WARREN.....(Mhtn) New York City
NEWTON, ETHEL BLANCHARD.....Montclair, N. J.
POLLAK, WILMA VERA.....(Mhtn) New York City
POOL, ETHEL MANTER.....(Mhtn) New York City
POOLE, KATHERINE ELLEN.....Faribault, Minn.
RAUH, FLORENCE ETHEL.....(Mhtn) New York City
ROBINSON, AMELIA MAUDE.....Sayville, N. Y.
ROGERS, HELEN MILES.....Fond du Lac, Wis.
SEGUINE, LAURA RANDOLPH.....(R) New York City
SHERMAN, LUCY FIDELIA.....Peekskill, N. Y.
SKINNER, MADELEINE DAYRELL.....(Bklyn) New York City
STERN, IRMA REGINA.....(Mhtn) New York City
THOMPSON, BESSIE ILSLEY.....(Bklyn) New York City
TOSCANO, LOUISE JOSEPHINE COLVIN.....(Q) New York City
VAN CISE, LAURA KNOWLES.....Summit, N. J.
WALLACH, ADÈLE NETTIE.....(Mhtn) New York City
WALTERS, ELIZABETH ROE.....(Mhtn) New York City
WARE, ANNA GOODWIN.....(Mhtn) New York City
WAUGH, ALICE MARION.....(Bklyn) New York City
WILCOX, ETHEL DODGE.....Yonkers, N. Y.
Junior Class.....48

## SOPHOMORE CLASS

ADAMS, JESSIE BLANCHE.....(Mhtn) New York City
ADEY, MILDRED HUNT.....(Mhtn) New York City
ANDREWS, ANDRELA LILIAN.....(Mhtn) New York City
APPELL, EDITH MAY.....Mount Vernon, N. Y.
APPLEGATE, CLARA MARGUERITE.....Newburgh, N. Y.
ARNAUD, LUCY GIULIA.....(Bklyn) New York City
BACON, MARJORIE KATE.....(Bklyn) New York City
BEIFELD, MINNIE MARGARET.....(Mhtn) New York City
BOULGER, MINNIE RANDOLPH.....(Mhtn) New York City
BUSHONG, ELSIE GRACE.....Reading, Pa.
BUTTS, EDITH.....Hoboken, N. J.
CAHEN, ELFIE JULIA.....(Mhtn) New York City
CLAFFY, MARGARET LORETTA CHARLES.....(Bklyn) New York City
COLT, MARY ELIZABETH SCOVELL.....Buffalo, N. Y.
COMPTON, MABEL GRACE.....(Bklyn) New York City
CURTIS, SARAH THEODORA.....(Mhtn) New York City
DENTON, MABEL.....Paterson, N. J.
DOTY, KATHARINE SWIFT.....(Mhtn) New York City
DURANT, AGNES LACY.....(Mhtn) New York City
EGLESTON, JEAN DUNBAR.....Elizabeth, N. J.
EINSTEIN, MILLY JUDITH.....(Mhtn) New York City
ELTING, HELEN STICKNEY.....Yonkers, N. Y.
EMBURY, LUCY BATES.....Englewood, N. J.
ENRIGHT, EMMA MULFORD.....Freehold, N. J.
ERSKINE, HELEN.....(Mhtn) New York City
FISCHER, HELENA MARSHALL.....(Mhtn) New York City
FORREST, NATHALIE STERNBERG.....(Mhtn) New York City
FOUNTAIN, CHARLOTTE BOYD.....Jersey City, N. J.
FRY, EDNA LOUISE.....(Bklyn) New York City
GALLERT, DORIS PAULA.....(Mhtn) New York City
GRANGER, EDITH ADELL.....Mount Vernon, N. Y.
GRAY, MABELLE RETTA.....(Bklyn) New York City
HAAS, EDITH JOAN.....(Mhtn) New York City
HAWES, JANE JEWETT.....New Rochelle, N. Y.
HERTS, RHODA LEONORA.....(Mhtn) New York City
HILL, HARRIET NEWELL.....(Mhtn) New York City
HIRSCH, SELMA HELEN.....(Mhtn) New York City
HIRSHBACH, HELEN FREDERICA.....(Mhtn) New York City
HOYT, JESSIE FENTON.....(Mhtn) New York City
HUBBARD, FLORENCE EDDY.....(Mhtn) New York City
HUGHAN, ETHEL MARGARET.....(Bklyn) New York City
HUNT, MARTHA MARGUERITA.....Jersey City, N. J.
LEERS, HILMA.....Paterson, N. J.
LEVY, GRACE.....(Mhtn) New York City
LEWIS, IDA ETHEL.....Jersey City, N. J.
LEXOW, CAROLINE.....Nyack, N. Y.
LICHTEN, DORA ELSIE.....(Mhtn) New York City
LOOMIS, JEAN HERRING.....(Mhtn) New York City
LYON, ROMOLA.....Englewood, N. J.
MCCORMICK, ROSE MARIE.....Perth Amboy, N. J.
MCLEAN, ELIZABETH.....Jersey City, N. J.
METCALFE, LIZZETTE MAY.....(Bklyn) New York City
MILLER, LENA ADÈLE.....White Plains, N. Y.
MILLER, MILDRED ELSEGOOD.....(Bklyn) New York City
MILLS, ELIZABETH TAYLOR.....(Bklyn) New York City
MORGAN, CHARLOTTE ELIZABETH.....(Bklyn) New York City

NEVINS, DORA RUSSELL.....(Bklyn) New York City
NONES, SADIE FLOY.....(Mhtn) New York City
NUTT, RACHEL EVANS.....Cliffside, N. J.
PARKER, MAY APPLETON.....(Mhtn) New York City
PHILLIPS, ROSSIE CLARE.....Sioux Falls, S. D.
POPPER, HILDA LOTTA.....(Mhtn) New York City
SHAINWALD, MAY SEVILLE.....(Mhtn) New York City
STERN, RUTH MARJORIE.....(Mhtn) New York City
STOBO, JEANNETTE RUSSELL.....(Mhtn) New York City
STONE, MARGARET HOLMES.....(Mhtn) New York City
SWAN, BESSIE LOUISE.....(Mhtn) New York City
THOMAS, MARTHA ELLEN.....Yonkers, N. Y.
VAN DEURSEN, HELEN TEWKSBURY.....Tarrytown, N. Y.
VAN SLYKE, ALIDA MARGARET.....New Baltimore, N. Y.
WARING, ANNA TALLMAN.....Piermont, N. Y.
WERTS, HARRIET ESTELLE.....Jersey City, N. J.
WICK, JEANNETTE.....(Q) New York City

Sophomore Class.....73

## FRESHMAN CLASS

ALLEN, CAROLINE GRATIA.....(Mhtn) New York City
ANDERSON, HELEN BEATRICE.....(Q) New York City
BARKER, SADIE ROSE.....Irvington, N. Y.
BASSETT, ELIZABETH WADDINGTON.....(Mhtn) New York City
BEECKMAN, FLORENCE LOUISE.....(Mhtn) New York City
BELL, FLORENCE EMILY.....(Q) New York City
BENNETT, GEORGINA GRACE.....Hackensack, N. J.
BERNAYS, JUDITH.....(Mhtn) New York City
BIGGIN, FLORENCE IRENE.....Middletown, N. Y.
BOORMAN, ELIZABETH STANFORD SAYRE.....(Mhtn) New York City
BOSS, ANNA MARIE.....(Mhtn) New York City
BROWN, ANN ELIZA.....(R) New York City
BUCKINGHAM, ELIZABETH.....(Mhtn) New York City
BYRNE, MARGARET CECILIA.....(Bklyn) New York City
CALHOUN, EMMA SHAW.....(Mhtn) New York City
CARPENTER, LULU JANE.....Port Chester, N. Y.
CATHCART, GERTRUDE LOUISE.....Plainfield, N. J.
COHEN, HELEN NESSA.....(Mhtn) New York City.
COOLEY, HELEN WILKING.....(Mhtn) NewYork City
DAY, ELIZABETH.....(Mhtn) New York City
DIETZ, EDITH AUGUSTA.....(Mhtn) New York City
DONNELLY, MARGUERITE.....(Mhtn) New York City
DORRIAN, CECIL INSLEE.....(Mhtn) New York City
DRAPER, ALICE OLIN.....(Mhtn) New York City
EHRICH, ELSIE.....(Mhtn) New York City
ELLEAU, AUGUSTINE.....Newark, N. J.
FARMER, MILDRED BLANCHE.....New Rochelle, N. Y.
FARRELLY, GRACE MARIE.....(Mhtn) New York City
FETTRETCH, EDITH BERRELL.....(Mhtn) New York City
FISHER, ANNIE FULLER.....Mount Vernon, N. Y.
FLETCHER, SALLIE FAULKNER.....(Bklyn) New York City
FORMAN, ANITA GRACE.....(Mhtn) New York City
FRANKLIN, MARION.....(Mhtn) New York City
FROTHINGHAM, MARY KATHARINE.....(Mhtn) New York City
GLENN, HELEN MILDRED.....(Mhtn) New York City
GOLDSMITH, EVELYN MIRIAM.....(Mhtn) New York City
GOODYEAR, KATHARINE FRANCIS.....(Mhtn) New York City

GRAY, MARY GOULD.....(Bklyn) New York City
HAAN, HELEN ILONE.....(Mhtn) New York City
HANDY, EDITH BERKELEY.....(R) New York City
HEIDENHEIMER, ALYNE BLANCHE.....(Mhtn) New York City
HENDRICKS, ETHEL.....(Mhtn) New York City
HEYMAN, BLANCHE.....(Mhtn) New York City
HILL, AMELIA LEAVITT.....(Mhtn) New York City
HOCHHEIMER, HELEN ALICE.....(Mhtn) New York City
HOFFMAN, MARGIE ETHEL.....(Bklyn) New York City
HOYT, SARAH FENTON.....(Mhtn) New York City
HUNTER, ELLEN REED.....(Mhtn) New York City
HUTCHINSON, EMILIE JOSEPHINE.....(Bklyn) New York City
IVES, ELIZABETH WATSON.....(Mhtn) New York City
KAPLAN, CARRIE.....(Mhtn) New York City
KENNEDY, ANNA JOSEPHINE.....(Bklyn) New York City
LEE, MARY DAY.....Richmond, Va.
LEVY, EDWINA LEAH.....(Mhtn) New York City
LOCK, MARY.....Plainfield, N. J.
LYALL, PAMELA WARREN.....(Mhtn) New York City
MCKEE, ELSA DU BOIS.....(Mhtn) New York City
MAHONY, ADÈLE MARGARET.....(Mhtn) New York City
MEYER, FLORENCE ALMA.....(Mhtn) New York City
MOTT, ISABELLE.....(Mhtn) New York City
MUNROE, ELEANORA LOUISE.....(Mhtn) New York City
MURPHY, MAY AGNES.....(Mhtn) New York City
MURRAY, LILY SYLVESTER.....Montclair, N. J.
NYE, FLORENCE ISABELLE.....(Mhtn) New York City
PALLISER, HELEN LETITIA.....Dobbs Ferry, N. Y.
PARKER, LAURA HILLIER.....(Mhtn) New York City
PETERS, LOUISE EDGAR.....Englewood, N J.
PRATT, JOSEPHINE SOUTHWORTH.....New Rochelle, N. Y.
PURDON, FRANCIS HOPE.....(Mhtn) New York City
REEDER, IRENE MAY.....(Mhtn) New York City
REEDER, RUTH ANGELINE.....(Mhtn) New York City
REILEY, ANNA CAMPBELL.....(Mhtn) New York City
REITLINGER, BLANCHE HORTENSE.....(Mhtn) New York City
RHEINSTEIN, ALICE MARION.....(Mhtn) New York City
ROSENBERG, ALMA EMILIE.....(Mhtn) New York City
SALIK, AUGUSTA.....(Mhtn) New York City
SCHLUSSEL, ETHEL ROSE.....(Mhtn) New York City
SCHRENKEISEN, HETTY.....(Mhtn) New York City
SCHULTZ, NINA.....(Mhtn) New York City
SCOTT, BESSIE TRIMBLE.....Passaic, N. J.
SEWARD, BERTHA WOODWARD.....Goshen, N. Y.
SHANLEY, MILDRED ETHEL.....Campville, Conn.
SKINNER, NORA TAYLOR.....Dobbs Ferry, N. Y.
SMITH, ALICE VAN WOERT.....(Mhtn) New York City
SOLOMON, CHARLOTTE LOUISE.....Syracuse, N. Y.
SPARKMAN, LYDIA HOLT.....Paterson, N. J.
SPOONER, MARION SEYMOUR.....(Mhtn) New York City
STURCKE, EMMA HAZELTON.....Mamaroneck, N. Y.
TALBOT, ABIGAIL ADAMS.....Mamaroneck, N. Y.
TATTERSHALL, ANNA SARAH.....White Haven, Pa.
THORP, ANNA FRANCES MURIEL.....Paterson, N. J.
TRIER, BETTY.....(Bklyn) New York City
VAN BUREN, IRENE.....Shortsville, N. Y.
VAN INGEN, EDITH GIFFORD.....(Bklyn) New York City
WAINWRIGHT, MARJORIE URRY.....(Mhtn) New York City

WATSON, ETHEL AGNES ..... Hackensack, N. J.
WELLE, EDITH ..... Paterson, N. J.
WHEELER, HELÈNE LOUISE ..... Oswego, N. Y.
WILCOX, HARRIET LESLIE ..... Yonkers, N. Y.
Freshman Class ..... 99

## SPECIAL STUDENTS

BARRETT, MARION FRANKLIN ..... Bloomfield, N. J.
BENNETT, MARY ELIZABETH ..... (Mhtn) New York City
BRACKETT, ANNA SPEED ..... (Mhtn) New York City
CAPLES, EDITH RICHARDS (Mrs. B. H. Caples) ..... (Mhtn) New York City
CARPENTER, ALICE CAROLINE ..... Brookline, Mass.
CARTER, MARION HAMILTON ..... (Mhtn) New York City
COREY, ALICE FELICITA ..... Elmira, N. Y.
CROSS, EMILY REDMOND ..... (Mhtn) New York City
DANIELS, HARRIET MCDOUAL ..... Detroit, Mich.
DOW, BERTHA MCLANE ..... (Mhtn) New York City
FISHER, MARY HEDGES ..... Mount Vernon, N. Y.
GANO, LINA ..... (Mhtn) New York City
HARRIMAN, MARY ..... (Mhtn) New York City
HAYDOCK, AMELIA ..... (Mhtn) New York City
HOWE, LUCY ..... Indianapolis, Ind.
KIRCHWEY, CLARA BARBARA ..... (Mhtn) New York City
LOVELESS, MARY ..... (Mhtn) New York City
NEUMAN, HENRIETTA ..... (Mhtn) New York City
NITZE, ANINA HILKEN (Mrs. W. A. NITZE) ..... (Mhtn) New York City
O'GRADY, CAROLINE GERALDINE ..... (Mhtn) New York City
POOR, EDITH BRANDON ..... (Mhtn) New York City
ROSENBLATT, BELLA ..... (Mhtn) New York City
SMITH, ANNA VIOLETTE ORLEMAN (Mrs. H. J. Smith) ..... Pompton Lake, N. J.
STEINHARDT, EDNA ..... (Mhtn) New York City
TANZER, HELEN HENRIETTA ..... (Mhtn) New York City
Special Students ..... 25

## MUSIC STUDENTS

BACCHUS, JOSEPHINE STEARNS ..... (Bklyn) New York City
BARNES, MADELEINE WINTHROP ..... (Mhtn) New York City
BECK, EMMA ..... (Mhtn) New York City
BENEDICT, ANNA ..... (Bklyn) New York City
BRODER, ESTHER MILDRED ..... (Mhtn) New York City
CHASE, MARY LIVINGSTON ..... Scarsdale, N. Y.
COONS, ORRIE MAE ..... (Mhtn) New York City
CORBIN, HELEN MARGARET ..... New Harmony, Ind.
CROKER, MARY SAMPSON ..... (Mhtn) New York City
CUSHING, ELIZABETH NEWTON (Mrs. H. A. CUSHING) ..... (Mhtn) New York City
DAVISON, MARY LUCINDA ..... Owego, N. Y.
DEYO, RUTH LYNDA ..... Albany, N. Y.
DYAS, LOUISE ..... (Mhtn) New York City
ETTLINGER, JOSEPHINE ..... (Mhtn) New York City
GALLAGHER, ANGELA ..... (Mhtn) New York City
GOTTSCHALK, CLARA AIMÉE ..... (Mhtn) New York City
GRIFFING, ANNE VAN WINKLE (Mrs. A. V. W. Griffing) ..... (Mhtn) New York City
HILTON, IDA LEIGH ..... (Mhtn) New York City
HUGHES, CARRIE ELIZABETH ..... Fort Wayne, Ind.
KNOX, ELFLEDA ETHEL (Mrs. E. E. Knox) ..... (Mhtn) New York City
KRAUS, LEAH CARRIE ..... (Mhtn) New York City
LEO, BEATRICE ..... (Mhtn) New York City

LITTIG, MARY LANGSDORFF.....(Mhtn) New York City
MACMAHON, MARY GERTRUDE.....(Mhtn) New York City
MAHAN, HELEN EVANS.....(Mhtn) New York City
MAY, LOUISE COOPER.....Boston, Mass.
MOONEY, MARY AGNES.....(Mhtn) New York City
MOSS, OLIVE.....(Mhtn) New York City
NEERGAARD, GOLLA DE.....Karlsfalt, Sweden
ROCHESTER, ANNA.....Englewood. N. J.
RYSHPAN, BERTHA.....(Mhtn) New York City
SELFRIDGE, SUSAN MAXWELL.....Washington, D. C.
SLOANE, MARION WALLACE.....Newark, N. J.
SMIDT, GRACE LEE.....(Mhtn) New York City
VAN INGEN, HELEN.....(Bklyn) New York City
VAN NEST, MARY VANDERPOOL.....Glen Ridge, N. J.
WALTER, ROSE.....(Mhtn) New York City
WEIL, HELENE MARGARETE.....(Mhtn) New York City
WHITE, ESTHER.....Summit, N. J.
WHITEHEAD, JULIA HALSEY.....(Mhtn) New York City
Music Students.....40

## SUMMARY

| | | |
|---|---|---|
| Senior Class | 50 | |
| Junior Class | 48 | |
| Sophomore Class | 73 | |
| Freshman Class | 99 | |
| | | 270 |
| Special Students | 25 | |
| Music Students | 40 | |
| | | 65 |
| | | 335 |
| University Students | | 44 |
| Students from Teachers College | | 45 |
| | | 424 |

# TEACHERS COLLEGE

## TRUSTEES

Spencer Trask, *Chairman*
Newbold Morris, *Secretary*
Miss Grace H. Dodge, *Treasurer*

William F. Bridge
George W. Vanderbilt
Rev. David H. Greer, D.D.
Peter B. Olney
V. Everit Macy
B. Talbot B. Hyde
Joseph Milbank
William M. Sloane, Ph.D., L.H.D.
Seth Low, LL.D.
Charles W. Harkness
Miss Annie B. Jennings
James Speyer
Archer M. Huntington.
James E. Russell, Ph.D.

### Officers of Administration

Nicholas Murray Butler, LL.D.,
Acting President of the University

James Earl Russell, Ph.D.,
Dean

Samuel Train Dutton, A.M.,
Superintendent of the Teachers College Schools

John Francis Woodhull, Ph.D.,
Professor in Charge of Buildings and Grounds

Le Roy Mason Beeman, A.M.,
Secretary

Lucetta Daniell,
Directress

Elizabeth G. Baldwin,
Librarian

George S. Kellogg,
Curator of the Educational Museum.

Mary C. Brush,
Registrar

Isabelle L. Pratt,
Secretary to the Dean

Thomas D. Wood, M.D.,
College Physician

## *REPRESENTATIVES IN UNIVERSITY COUNCIL*

JAMES EARL RUSSELL, Ph.D., *ex-officio*
JOHN FRANCIS WOODHULL, Ph.D. (*term expires* 1902).

### The Faculty

NICHOLAS MURRAY BUTLER, LL.D. . . . . *Acting President*
JAMES EARL RUSSELL, Ph.D. . *Dean and Professor of the History of Education*
FRANK MORTON MCMURRY, Ph.D. . *Professor of the Theory and Practice of Teaching*
JAMES MCKEEN CATTELL, Ph.D. . . . . *Professor of Psychology*
JOHN FRANCIS WOODHULL, Ph.D. . . . . *Professor of Physical Science*
FRANKLIN THOMAS BAKER, A.M. . *Professor of English Language and Literature*
EDWARD HOWARD CASTLE, A.M. . . . . *Professor of History*
RICHARD ELWOOD DODGE, A.M. . . . . *Professor of Geography*
HELEN KINNE. . . . . *Professor of Domestic Science*
MARY DUNCAN RUNYAN. . . . . *Professor of Kindergarten*
ALFRED VANCE CHURCHILL, A.M. . . . . *Professor of Art*
CHARLES RUSSELL RICHARDS, B.S. . . . *Professor of Manual Training*
SAMUEL TRAIN DUTTON, A.M. . . . . *Professor of School Administration*
GONZALEZ LODGE, Ph.D., LL.D. . . . . *Professor of Latin and Greek*
DAVID EUGENE SMITH, Ph.D. . . . . *Professor of Mathematics*
THOMAS DENISON WOOD, M.D. . . . . *Professor of Physical Education*
FRANCIS ERNEST LLOYD, A.M. . *Adjunct Professor of Biological Science*
CHARLES EARL BIKLÉ, A.M. . . . . *Adjunct Professor of Mathematics*
MARY SCHENCK WOOLMAN. . . . . *Adjunct Professor of Domestic Art*
PAUL MONROE, Ph.D. . . . *Adjunct Professor of the History of Education*
EDWARD LEE THORNDIKE, Ph.D. . *Adjunct Professor of Genetic Psychology*
CHARLES HUBERT FARNSWORTH. . . . . *Adjunct Professor of Music*
VIRGIL PRETTYMAN, A.M. . . *Principal of the Horace Mann High School*
FREDERICK REMSEN HUTTON, Ph.D. . . . . *Professor of Mechanical Engineering*

### Instructors

WILLIAM SMITH ROBINSON. . . . . *Instructor in Drawing and Painting*
MARY ROGERS. . . . . *Instructor in Wood-carving*
GEORGE PHILIP KRAPP, A.M., Ph.D. . . . . *Instructor in English*
CHARLES PRENTICE BENNS, M.C. . . . . *Instructor in Machine Work*
ELIJAH WILLIAM BAGSTER-COLLINS, A.M. . . . . *Instructor in German*
OSWALD RUDOLF EKLÖF. . . . . *Instructor in Wood-carving*
LOUIS ROUILLION, A.M. . . . . *Instructor in Mechanical Drawing*
CHARLES CONRAD SLEFFEL. . . . . *Instructor in Forging*
CHARLES WILLIAM WEICK, B.S. . . . . *Instructor in Wood-working*
MAURICE ALPHEUS BIGELOW, Ph.D. . . *Instructor in Biological Science*

ARTHUR CHARLES HOWLAND, PH.D.....*Instructor in History*
CAROLINE GERALDINE O'GRADY.....*Instructor in Kindergarten*
ELIZABETH CARSS, Ph.B.....*Instructor in Nature Study*
MARY L. D. FORREST.....*Instructor in Domestic Science*
HERBERT VAUGHAN ABBOTT, A.B.....*Instructor in English*
FRANK ERNEST BROOKS, B.L.....*Instructor in French*
LOUISE CHRISTINE SUTHERLAND.....*Instructor in Kindergarten*
ISABEL COBB FRENCH.....*Instructor in Kindergarten*
CLARA BARBARA KIRCHWEY.....*Instruotcr in Geography*
LUCY HESS WEISER.....*Instructor in Manual Training*

**College Assistants**

ALETTA VAN WYCK SCHANCK.....*Assistant in Domestic Art*
MATILDA GARRETSON REA.....*Assistant in Domestic Art*
ANNA LOWELL ALLINE.....*Assistant in Hospital Economics*
CLARA PENISTON.....*Assistant in Domestic Art*
NAOMI HORSWORTHY.....*Assistant in Psychology*
EDWARD R. SMITH, A.B.....*Assistant in Fine Arts*
CAROLINE E. MEHAN.....*Assistant in Voice Culture*
EDWARD M. LEWIS, A.B.....*Assistant in English*

**Lecturer**

HERMAN T. VULTÉ, PH.D.....*Lecturer in Household Chemistry*

**Teachers in Teachers College Schools**

EUGÉNIE MENUT.....*French*
ELLEN YALE STEVENS, Ph.B.....*English*
MAY BELLE VAN ARSDALE.....*Physics and Chemistry*
KATHARINE MORE COCHRAN, A.B.....*Greek and Latin*
CHARLES MCCOY BAKER, A.B.....*Latin*
MARY DAVIS CHAMBERS.....*Fine Arts*
ELIZA RHEES BUTLER, A.B.....*History*
ROLAND HUGH WILLIAMS, B.S.....*Mathematics*
MARY SEWARD.....*Physical Education*
KATE STUART ANTHONY.....*Domestic Art*
FRANCES ELBERTINE MCRAE.....*Physical Science*
LAURA BRAINARD WHITTEMORE.....*Domestic Science*
JAMES JARDINE.....*Physical Education*
MARY BROWNSON GILLMORE, Ph.B.....*History*
WALTER ORLANDO ROWLAND.....*Fine Arts*
AMY SCHUSSLER.....*Critic Teacher*
IDA ELIZABETH ROBBINS.....*Fourth Grade*
EVELYN BATCHELDER.....*Second Grade*
SUSAN ADELE LATHROP.....*Sixth Grade*
MILDRED IONE BATCHELDER.....*Third Grade*
CAROLINE WOODBRIDGE HOTCHKISS.....*Seventh Grade*
WINONA MARION PRATT.....*Fifth Grade*
MARY EDWARD CALHOUN.....*Seventh Grade*

Miriam Charlotte Winchester.....*First Grade*
Mary Frederika Kirchwey.....*Sixth Grade*
Mary Hammet Lewis.....*Third Grade*
Edith Cornelia Barnum.....*Second Grade*
Anne Seymour Blake.....*Kindergarten*
Frank Alvah Parsons.....*Eighth Grade*
Julia Martin.....*Critic Teacher*
Laura Belle Underhill.....*Fifth Grade*
Edith Forrester Pratt.....*Fourth Grade*
Katharine Wells.....*Second Grade*
Lillian Emily Rogers.....*Seventh Grade*

**School Assistants**

Jane Brodie Carpenter, A.M.....*English*
Anne Bush MacLear.....*Elementary School*
Christine Louise McKim, A.B.....*Mathematics*
Sarah Edwards Schuyler, A.B.....*Latin*
Phoebe Condit Nicholas.....*Fine Arts*
Garcher Brooks.....*French*
Ellen Seton Ogden.....*German*
Grace Clyde Gilman.....*Physical Education*
Mary Cheves West.....*Kindergarten*

## GENERAL STATEMENT

Teachers College, founded in 1888, and chartered by the Regents of the University of the State of New York on January 12, 1889, became, by an agreement dated March 22, 1898, a part of the educational system of Columbia University. The President of Columbia University is President, *ex-officio*, of Teachers College, and the College is represented in the University Council by the Dean and an elective representative of its Faculty.

Teachers College maintains its separate corporate organization, and its Board of Trustees continue to assume the entire financial responsibility for its maintenance.

Teachers College is the professional school of Columbia University for the study of education and the training of teachers. It takes academic rank with the Schools of Law, Medicine, and Applied Science. The purpose of Teachers College is to afford opportunity, both theoretical and practical, for the training of teachers of both sexes for elementary and secondary schools, of specialists in various branches of school work, and of principals, supervisors, and superintendents of schools.

The following courses of study are offered by Teachers College:

1. A collegiate course which is offered as an alternative for the first two years of the course in Columbia College or Barnard College and which may be entered by any student who, having satisfied the

requirements for admission to the undergraduate colleges of Columbia University, desires to direct his college studies more specifically towards teaching. This course followed by a two-years' professional course leads to the degree of Bachelor of Science.

2. Two-year course leading to the Bachelor's Diploma: (a) for teaching certain specified subjects in secondary schools. Prerequisite: the completion of the sophomore year in an approved college.

(b) For teaching in the kindergarten or in elementary schools. Prerequisite: (1) Graduation from an approved normal school or teachers' training school, or (2) the completion of the collegiate course above mentioned, or (3) the sophomore year in an approved college or institution of equal academic rank.

(c) For teaching Fine Arts, Music, Domestic Art, Domestic Science, and Manual Training. Prerequisite: (1) Completion of a satisfactory course in an approved secondary school, and (2) of collegiate study or technical training or experience in teaching during a period of at least two years following the secondary-school course.

3. A graduate course of at least one year leading to the Master's Diploma in any department of the College. Prerequisite: A Bachelor's Diploma from Teachers College, or an equivalent collegiate and professional education obtained in an approved institution of learning.

4. A graduate course of at least two years (ordinarily three years) leading to the Doctor's Diploma in certain departments of the College. Prerequisite: Same as for Master's Diploma. The regulations governing the award of the Master's and Doctor's Diplomas are in general the same as those for the Master's and Doctor's Degrees.

The course of study for intending teachers in secondary schools is so arranged that undergraduate students of Columbia College and of Barnard College, and students from other colleges who are prepared to enter the junior class of either of these colleges, may, if they so desire, obtain the diploma of Teachers College at the time of receiving the degree of Bachelor of Arts. In like manner qualified students entering Teachers College may obtain the degree of Bachelor of Science and a diploma at the same time. Certain courses in Teachers College may be counted in partial fulfilment of the requirements for the degrees of Master of Arts and Doctor of Philosophy. Candidates for the degree of Doctor of Philosophy who present Education as a minor subject may arrange the work in such a way as to secure a Bachelor's or Master's Diploma. Graduate students of Teachers College who conform to the general regulations of the University Council may pursue at the same time courses leading to a higher diploma and a higher degree.

The Horace Mann School, fully equipped with kindergarten, elementary, and secondary classes, is maintained by Teachers College as a school of observation and demonstration. It offers unexcelled advantages for the investigation of educational problems and for the study of the practical work of teaching.

**Buildings and Equipment**

The buildings of Teachers College and of the Horace Mann School are situated on West 120th and 121st Streets, between Amsterdam Avenue and Broadway, directly opposite the northern boundary of the University grounds.

The Macy Manual Arts Building is thoroughly equipped for the departments of Manual Training and Art Education. All other departments of the College, including the Bryson Library of some 13,000 volumes, the chapel, and the gymnasium, are located in the Milbank Memorial Building and in the Main Building.

## REGISTER OF STUDENTS

NOTE.—The classification followed in this Register was in use prior to November 1, 1901. For the classification in accordance with the new regulations, see the Announcement of Teachers College for 1902–03.

### Candidates for a Higher Diploma

ABBOTT, MARY.....(Mhtn) New York City
Normal College, New York City, 1878.
*Education.*

* ALGER, LEWIS BURTON.....St. Joseph, Mich.
University of Michigan, Ph.B., 1897.
Columbia University, A.M., 1901.
*Education, Psychology.*

ALLEN, WILLIAM CREMER.....(Mhtn) New York City
College of the City of New York, B.S., 1895.
*Education.*

* BACHMAN, FRANK PUTERBAUGH.....Mackinaw, Ill.
University of Marburg, 1896–1897.
University of Chicago, A.B., 1896.
*Education, Psychology.*

BACON, PEARL.....(R) New York City
State Normal School, Geneseo, N. Y., 1897.
*Education.*

* BALDWIN, ARTHUR POND.....(Bklyn) New York City
College of the City of New York, A.B., 1876.
Columbia University, A.M., 1901.
Teachers College, Secondary Diploma, 1901.
*Education, Sociology.*

† BAYNE, STEPHEN FIELDING.....(Mhtn) New York City
College of the City of New York, B.S., 1898.
*Education, English.*

BEBOUT, EDWIN.....Westwood, N. J.
New Jersey State Normal School, 1894.
*Education.*

BELLER, WILHELMINA C.....(Mhtn) New York City
Normal College, New York City, 1881.
*Education, English.*

† BERGHANE, FREDERICK ALBERT.....(Mhtn) New York City
College of the City of New York, B.S., 1887.
*Education, English.*

BEST, FANNIE ELLSLER.....(R) New York City
State Normal College, Albany, N. Y., 1877.
*Education.*

† BLISS, DON CARROLL.....Kearney, N. J.
Dartmouth College, A.B., 1892; A.M., 1894.
*Education.*

BOUGHTON, WILLIS.....(Bklyn) New York City
University of Michigan, A.B., 1881.
Dickinson College, A.M., 1891.
Ohio University, Ph.D., 1900.
*Education, Psychology, English.*

* Also a candidate for the Ph.D. degree. † Also a candidate for the A.M. degree.

* BROOME, EDWIN CORNELIUS.....Central Falls, R. I.
Brown University, Ph.B., 1897; A.M., 1898.
*Education, English.*

† BRUNN, FREDA MARGUERITA.....(Bklyn) New York City
Teachers College, 1897.
Adelphi College, A.B., 1899.
*Education, English, Psychology.*

† BUNNELL, ELIZABETH HANKINSON.....Tunkannock, Pa.
Mt. Holyoke College, A.B., 1894.
*Education, Philology.*

† BURDICK, LORON N.....(Mhtn) New York City
College of the City of New York, B.S.
*Education.*

† BURKE, JOHN JAMES.....(Mhtn) New York City
College of the City of New York, A.B., 1895.
*Education.*

* BURKS, JESSE DISMUKES.....Los Angeles, Cal.
University of Chicago, Ph.B., 1893.
University of California, B.L., 1894.
*Education, Sociology.*

* BURRIS, WILLIAM PAXTON.....Salem, O.
De Pauw University, Ph.B., 1891; A.M., 1894.
Harvard University, A.M., 1901.
*Education, Psychology.*

† CLOYD, DAVID E.....Minneapolis, Minn.
University of Minnesota, Ph.B., 1901.
*Education, Philosophy, French.*

† COLBURN, HARRISON SINER.....(Mhtn) New York City
Purdue University, B.S., 1900.
*Education, History.*

CONBOY, MICHAEL FRANCIS.....(Mhtn) New York City
College of St. Francis Xavier, A.B., 1885.
*Education.*

† CROSS, MARGARET ELSIE.....Roseland, La.
State Normal College, Danville, Ind., 1888.
*Education, Philosophy.*

† CUBBERLEY, ELLWOOD P.....Stanford University, Cal.
University of Indiana, A.B., 1891.
*Education, Psychology, Sociology.*

* DANIELS, MARY ANDERSON.....(Mhtn) New York City
Minnesota State University, 1896.
*Education, Sociology.*

DEAN, PHILIP REDFIELD.....(Mhtn) New York City
Harvard University, A.B., 1896.
*Education.*

* EARLE, EDWIN LYELL.....(Mhtn) New York City
St. Paul's College, Pittsburg, 1887.
New Jersey Theological Seminary, 1893.
*Education, Psychology, Geography.*

† FANT, ANNE.....Macon, Miss.
Mississippi Industrial College, A.B., 1893.
*Education, Geography.*

* FARRINGTON, FREDERIC ERNEST.....(Mhtn) New York City
Harvard University, A.B., 1894.
*Education, Psychology.*

† FISCHLOWITZ, ABRAM.....(Mhtn) New York City
College of the City of New York, B.S., 1890.
New York University, C.E., 1895.
*Education, Psychology.*

* Also a candidate for the Ph.D. degree. † Also a candidate for the A.M. degree.

FOSTER, CAROLYN DEAN.....(Bklyn) New York City
St. Lawrence University, Ph.B., 1894.
*Education.*

† GAMMON, EDWARD MONTAGUE.....Rome, Ga.
University of Georgia, A.B., 1895.
*Education, Mathematics.*

GOADBY, ARTHUR.....(Mhtn) New York City
Harvard University, 1885–1886.
*Education, English, Sociology.*

† HALLIGAN, THOMAS COOPER.....(Mhtn) New York City
College of the University of New York, B.L., 1890.
New York University, LL.B., 1895.
*Education.*

HARRISON, GRACE.....(R) New York City
State Normal College, Albany, N. Y., 1889.
*Education.*

HAVILAND, EMMA COTHEALE.....(Mhtn) New York City
Normal College, New York City, 1878.
*Education.*

* HENDERSON, ERNEST NORTON.....Chico, Cal.
University of California, Ph.B., 1890; A.B., 1893; A.M., 1894.
*Education, Psychology, Philosophy.*

HILDRETH, HELEN REBECCA.....Lockport, N. Y.
State Normal School, Winona, Minn., 1893.
Teachers College, Elementary Diploma, 1899.
Candidate for B.S., 1902.
*Education, Manual Training, Biology.*

* HUGHES, PERCY.....(Mhtn) New York City
Teachers College, Elementary Diploma, 1897.
Alfred University, A.B., 1899.
*Education.*

HURD, JULIA MALITA.....Holley, N. Y.
State Normal School, Brockport, N. Y., 1893.
*Education.*

† JAMESON, CHARLES BARING.....(Mhtn) New York City
College of the City of New York, A.B., 1896.
*Education, History, English.*

† JENKS, ELIJAH, Jr.....(Br) New York City
College of the City of New York, B.S., 1889.
*Education, English.*

* KENT, ERNEST BECKWITH.....Indianapolis, Ind.
Iowa College, A.B., 1894.
Columbia University, A.M., 1901.
*Education, Psychology, Manual Training.*

* KILPATRICK, VAN EVRIE.....(Br) New York City
Syracuse University, A.B., 1891; A.M., 1894.
*Education.*

† KNAPP, THAD JOHNSON.....Arlington, N. J.
University of Michigan, Ph.B., 1898.
*Education.*

† LANE, CHRISTOPHER JOSEPH.....Pearl River, N. Y.
College of St. Francis Xavier, A.B., 1891.
*Education.*

† LAWYER, LOUIS ROSSELL.....(Mhtn) New York City
College of the City of New York, B.S., 1896.
*Education, English.*

* Also a candidate for the Ph.D. degree. † Also a candidate for the A.M. degree.

MACK, MARY S. ..... Denver, Col.
State Normal School, New Britain, Conn., 1882.
Candidate for B.S., 1902.
*Education, Biology.*

* MARSH, HORACE WILMER ..... (Bklyn) New York City
Lafayette College, A.B., 1889; A.M., 1893.
*Education, Philosophy.*

† MARTIN, GEORGE KEMPTON ..... (Mhtn) New York City
College of the City of New York, B.S., 1893.
*Education, Psychology.*

† MAXSON, HOLLY WHITFORD ..... Adams Centre, N. Y.
Alfred University, A.B., 1897.
New York State Normal College, Pd.B., 1898.
*Education, Manual Training.*

MILLER, SUSANNE REBECCA MARIAN ..... Mansfield, O.
Teachers Training School, Mansfield, O., 1891.
University of Minnesota, 1898–1900.
Candidate for B.S., 1902.
*Education, English.*

PARDEE, SHELDON JOHN ..... (R) New York City
Michigan State Normal School, 1872.
Union Christian College, B.S., 1876; M.S., 1879; Ph.D., 1888.
*Education.*

† PATRI, ANGELO ..... (Mhtn) New York City
College of the City of New York, A.B., 1897.
*Education, English.*

† PUGLIESE, ANTHONY J. ..... (Mhtn) New York City
College of the City of New York, A.B., 1897.
*Education, English.*

RABENORT, WILLIAM ..... Paterson, N. J.
State Normal School, Trenton, N.J., 1890.
*Education.*

† RAFFERTY, WILLIAM B. ..... (R) New York City
St. Lawrence University, A.B., 1890.
*Education.*

† REYNOLDS, JAMES JOSEPH ..... (Mhtn) New York City
College of the City of New York, B.S., 1893.
New York University, LL.B., 1897.
*Education, Psychology.*

† ROOP, MARCUS J. ..... Ridgefield, N. J.
Heidelberg College, O., A.B., 1893.
New Brunswick Theological Seminary, B.D., 1896.
*Education, Psychology, Sociology.*

SCHILLER, BIANCA ..... (Q) New York City
State Normal School, Oswego, 1895.
*Education, Psychology, English.*

* SHAW, IRA DENNISON ..... South Northfield, Vt.
State Normal School, Randolph, Vt., 1890.
Oberlin College, A.B., 1898.
*Education, Philosophy, French.*

SILBERBERG, BETTY ..... (Mhtn) New York City
*Education.*

SIMONS, CHARLES FREDERICK ..... (R) New York City
State Normal School, Fredonia, N. Y., 1874.
*Education.*

† SMITH, ALEXANDER GODFREY ..... (Bklyn) New York City
Teachers College, Secondary Diploma, 1900.
Columbia University, A.B., 1900.
*Education, Psychology, English.*

* Also a candidate for the Ph.D. degree. † Also a candidate for the A.M. degree.

* SMITH, WILLIAM WALTER.....(Mhtn) New York City
Princeton University, A.B., 1889; A.M., 1892.
General Theological Seminary, 1892.
Columbia University, M.D., 1895.
*Education, Psychology.*

* SNOW, LOUIS FRANKLIN.....Elizabeth, N. J.
Brown University, Ph.B., 1887.
Harvard University, A.B., 1889; A.M., 1890.
*Education, English.*

† SPAULDING, FRANK BENTON.....(Bklyn) New York City
State Normal School, Potsdam, N. Y., 1887.
St. Lawrence University, B.S., 1895.
*Education.*

† SPRINGMEYER, CHARLES EDWIN.....(Mhtn) New York City
College of the City of New York, A.B., 1897.
*Education, English.*

STANTON, BENJAMIN J.....(R) New York City
State Normal College, Albany, N. Y., 1888.
*Education.*

† SUZZALLO, ANTHONY HENRY.....Alameda, Cal.
California State Normal School, 1895.
Leland Stanford, Jr., University, A.B., 1899.
*Education, Sociology, Psychology.*

† SWIFT, FLETCHER HARPER.....(Bklyn) New York City
Dartmouth College, A.B., 1898.
*Education, Church History, Philosophy of Religion.*

TERRY, JENNIE VIOLA.....(R) New York City
State Normal College, Albany, N. Y., 1888.
*Education.*

* THOMAS, WINFIELD SCOTT.....Petaluma, Cal.
Johns Hopkins University, A.B., 1889.
*Education, Psychology, Philosophy.*

* TUCKER, ALICE BLYTHE.....Owen Sound, Ontario
Toronto University, A.B., 1896; A.M., 1901.
*Education, History.*

* TUCKER, LOUISE EMERY.....(Bklyn) New York City
Adelphi College, A.B., 1900.
Columbia University, A.M., 1901.
*Education, Philosophy.*

VIERTEL, SAMUEL.....(Mhtn) New York City
College of the City of New York, B.S., 1898.
*Education.*

† WADE, JOHN EDGAR.....(Mhtn) New York City
College of the City of New York, B.S., 1897.
*Education, Psychology.*

† WATSON, LAKE GEORGE.....Richmond, Ind.
Earlham College, Ph.B., 1900.
*Education.*

WOODLEY, OSCAR I.....Menominee, Mich.
Michigan State Normal School, 1886.
Albion College, A.B., 1891.
*Education, English, Philosophy.*

YATES, ALBERTIS AUSTIN.....(R) New York City
*Education.*

### Candidates for a Secondary Diploma

* ABRAMOWITZ, HERMAN.....(Mhtn) New York City
College of the City of New York, A.B., 1900.
*English.*

* Also a candidate for the Ph.D. degree. † Also a candidate for the A.M. degree.

* Adams, John William.....Worcester, Mass.
Cornell University, A.B., 1901.
*Mathematics, Physical Science.*

Addoms, Jessie Alice.....(Bklyn) New York City
Candidate for A.B., 1903.

† Affeld, Antoinette.....(Bklyn) New York City
Vassar College, A.B., 1901.
*German.*

Allen, Elizabeth.....(Bklyn) New York City
Candidate for A.B., 1902.
*Mathematics.*

Armstrong, Katharine.....Louisville, Ky.
Candidate for A.B., 1902.
*History.*

Baker, Marian Towne.....Providence, R. I.
Smith College, A.B., 1896.
*Geography.*

Ball, Marion Elizabeth Pruyn.....(Mhtn) New York City
Candidate for A.B., 1903.

Banta, Mary.....(Bklyn) New York City
Wellesley College, B.S., 1889.
Columbia University, A.M., 1900.
*Mathematics.*

† Bates, Emma Katharine.....Columbus, O.
Oberlin College, Ph.B., 1891.
*Mathematics.*

† Beecher, Martha Anna.....Livonia, N. Y.
Syracuse University, Ph.B., 1894.
*Mathematics.*

Behr, Elsa.....(Bklyn) New York City
Candidate for B.S., 1902.
*Mathematics.*

Bellows, Russell Heacock.....(Mhtn) New York City
State Normal College, Albany, N. Y., 1893.
Candidate for B.S., 1902.
*English.*

Berkeley, Fanny Campbell.....Morgantown, W. Va.
Candidate for A.B., 1902.
*English.*

† Boak, Mabel.....(Mhtn) New York City
Vassar College, A.B., 1901.
*Latin.*

Boote, Grace Edith.....Yonkers, N. Y.
Candidate for A.B., 1902.
*English.*

† Brooks, Annie M.....Athol, Mass.
Smith College, A.B., 1898.
*Latin.*

Budd, Mary Hunt.....Chester, N. J.
Candidate for A.B., 1902.
*Mathematics.*

† Burchard, Anna Terressa.....Hamilton, N. Y.
Vassar College, A.B., 1897.
*History, Mathematics.*

† Burr, Mary Olive.....Oakdale, N. Y.
Ohio Wesleyan University, B.L., 1901.
*German.*

* Also a candidate for the Ph.D. degree. † Also a candidate for the A.M. degree.

CARLL, LYDIA ADÈLE.....Whitestown, N. Y.
Candidate for A.B., 1902.
*English.*

† CASAMAJOR, ALICE.....(Bklyn) New York City
Adelphi College, A.B., 1899.
*History.*

CHAPIN, EDNA CORA.....Mt. Vernon, N. Y.
Candidate for A.B., 1902.
*Physical Science.*

CHEESMAN, FLORENCE PALMER.....(Mhtn) New York City
Candidate for A.B., 1903.

† COAN, MARION SARAH.....Auburn, Me.
Bates College, A.B., 1899.
*English.*

CODDINGTON, ELIZABETH CADMUS.....Passaic, N. J.
Candidate for A.B., 1902.
*Latin.*

COHEN, HELEN LOUISE.....(Mhtn) New York City
Candidate for A.B., 1903.

† CRAIG, ARCHIBALD GORDON.....Brookville, Pa.
Western University of Maryland, Ph.B., 1900.
*Physical Science.*

† DAWSON, ALICE BELLE.....(Bklyn) New York City
Oxford College, A.B., 1891.
Teachers College, Secondary Diploma in Latin, 1901.
*English.*

DIXON, SIDNEY HARRY.....Yonkers, N. Y.
Columbia University, A.B., 1900.
*Latin.*

DURANT, EDITH.....(Mhtn) New York City
Candidate for A.B., 1902.

DUTTON, CHARLOTTE CECILE HARRINGTON.....(Mhtn) New York City
Oberlin College, A.B., 1899.

† EATMAN, DARIUS.....Oxford, N. C.
University of North Carolina, A.B., 1899.
*English.*

ELLIMAN, MARGARET GROTE.....(Mhtn) New York City
Candidate for A.B., 1902.
*English.*

FAIRCHILD, HELEN ADELAIDE.....New Britain, Conn.
Candidate for A.B., 1902.
*Latin.*

† FOUNTAIN, ABBIE EMMA.....Camden, Me.
Colby College, A.B., 1895.
*English, History.*

FREEMAN, WILLIAM EUGENE.....Masonville, N. Y.
State Normal College, Albany, N. Y., 1894.
Candidate for B.S., 1902.
*History.*

FUTTER, LEON NATHAN.....(Q) New York City
Candidate for A.B., 1902.
*English, History.*

† GALLAGHER, HELEN DAVIS.....Highwood, N. J.
Vassar College, A.B., 1900.
*English.*

† GARDNER, CATHERINE AMELIA.....Moodus, Conn.
Wesleyan University, A.B., 1885.
*Greek.*

† Also a candidate for the A.M. degree.

GARNER, PETER PARLEY.....Macon, Miss.
Peabody State Normal College, 1895–1898.
Candidate for B.S.
*English, Mathematics.*

† GIBSON, ALICE SCHIEFFELIN.....Croton Falls, N. Y.
Vassar College, A.B., 1901.
*English.*

† GILLILAND, ALICE MABEL.....Ballston Spa, N. Y.
Cornell University, Ph.B., 1891.
State Normal College, Albany, N. Y., Pd.B., 1892.
*Mathematics.*

HALL, MARY DEDERICH.....Mt. Vernon, N. Y.
Candidate for A.B., 1902.
*Latin.*

HARRISON, MARY FREDERICKA.....(Bklyn) New York City
Candidate for A.B., 1903.

HIRSCH, BLANCHE.....(Mhtn) New York City
Normal College, New York City, B.S., 1901.
*Mathematics.*

HOPE, IDA MAY.....(Mhtn) New York City
Candidate for A.B., 1903.

HOWARD, CLARE MACLLELEN.....(Mhtn) New York City
Candidate for A.B., 1903.

HOWE, RUTH BOUTON.....Geneseo, N. Y.
Candidate for A.B., 1903.

† HUBBELL, HARRY HOPKINS.....Buffalo, N. Y.
Williams College, A.B., 1898.
*Greek, Latin.*

HUNT, ELEANOR HARRISON.....Orange, N. J.
Candidate for A.B., 1902.
*Latin.*

HUNTHING, G. H.....(Bklyn) New York City
Candidate for A.B., 1902.
*English.*

* ISRAELI, PHINEAS.....(Mhtn) New York City
College of the City of New York, A.B., 1899.
Jewish Theological Seminary, 1894–1901.
*Latin.*

† JOHNSON, MARGARET EDITH.....(Bklyn) New York City
Adelphi College, A.B., 1899.
*History.*

JOHNSON, MAY AMERMAN.....(Mhtn) New York City
Candidate for A.B., 1903.

KIMBALL, VIOLA LOUISE.....Greenwich, Conn.
Candidate for A.B., 1902.
*Latin, Mathematics.*

LEWIS, ALFRED HOMES.....Greenwich, Conn.
Candidate for A.B., 1903.

LITTLE, WILLIAM F.....Stamford, Conn.
Wesleyan University, A.B., 1892.
University of Heidelberg, 1899–1900.
*Latin.*

† LOCKE, EMILY PAULINE.....Boston, Mass.
Smith College, B.L., 1900.
*Biology.*

* Also a candidate for the Ph.D. degree. † Also a candidate for the A.M. degree.

* MacLear, Anne Bush.....Wilmington, Del.
Teachers College, 1901.
Columbia University, B.S., 1901.
*English, History.*

McKeighan, Elinor Matilda.....St. Louis, Mo.
Illinois State Normal University, 1891–1892.
Candidate for B.S., 1903.

McLeod, Leila Durant.....(Bklyn) New York City
Vassar College, A.B., 1899.
*English.*

† Marshall, Florence Mabel.....East Douglas, Mass.
Boston University, A.B., 1899.
*History.*

† Meigs, Katharine Hedges.....Orange, N. J.
Smith College, A.B., 1891.
Teachers College, Secondary Diploma in Physical Science, 1901.
*Biology.*

Merrell, Howard Brown.....Upper Montclair, N. J.
Candidate for A.B., 1902.
*English.*

Merrill, May.....Minneapolis, Minn.
Candidate for A.B., 1903.

Molwitz, Ernestine Julia.....(Mhtn) New York City
New York College of Pharmacy, 1897–1900.
Candidate for A.B., 1902.
*Physical Science.*

Newton, Ethel Blanchard.....(Bklyn) New York City
Candidate for A.B., 1903.

Nones, Sadie Floy.....(Mhtn) New York City
Candidate for A.B., 1904.

† Nutting, Helen.....(Mhtn) New York City
Vassar College, A.B., 1901.
*English.*

† Percival, Mary.....Auburn, Me.
Mt. Holyoke College, A.B., 1898.
*English.*

Peters, Grace Malvina.....(R) New York City
Candidate for A.B., 1902.
*Mathematics.*

† Phelps, Edna Harriet.....Princeton, Ill.
Knox College, B.S., 1897.
*English, History.*

† Rand, Edith Edwina.....Pasadena, Cal.
Smith College, A.B., 1899.
*Biology.*

Rennert, Rosina Julia.....(Mhtn) New York City
Normal College, A.B., 1897.
Columbia University, A.B., 1901.
*Biology.*

Schwabe, Ida.....(Mhtn) New York City
Candidate for B.S., 1902.
*German.*

Seguine, Laura Randolph.....(R) New York City
Candidate for A.B., 1903.

Seibert, Jeannette Rowland.....(Bklyn) New York City
Candidate for A.B., 1902.
*English, Mathematics.*

* Also a candidate for the Ph. D. degree. † Also a candidate for the A. M. degree.

SEWARD, ANNIE LEDDELL.....East Orange, N. J.
Candidate for A.B., 1902.
*Mathematics.*

† SEYMOUR, BINA.....Springfield, Mass.
Vassar College, C.B., 1898.
*Geography.*

SHAEN, MARY CAROLYN.....Yonkers, N. Y.
Candidate for A.B., 1902.
*English.*

SKINNER, MADELEINE DAYRELL.....(Bklyn) New York City
Candidate for A.B., 1903.

† STIMSON, JULIA CATHERINE.....(Mhtn) New York City
Vassar College, A.B., 1901.
*Biology.*

† STONE, LAURA ISABEL.....LeRoy, N. Y.
Syracuse University, A.B., 1895.
*English.*

† TERHUNE, BEEKMAN RAMSEY.....Ridgewood, N. J.
Princeton University, A.B., 1901.
*Greek, Latin.*

TOSCANO, LOUISE JOSEPHINE COLVIN.....(Q) New York City
Candidate for A.B., 1903.

† TREAT, PAYSON JACKSON.....(Mhtn) New York City
Wesleyan University, A.B., 1900.
*History.*

TRIMBLE, LOUISE MATILDA.....Farmerville, La.
Peabody Normal College, L. I., 1897.
University of Nashville, A.B., 1898.
Candidate for A.B., 1902.
*English.*

VAN COTT, ELEANOR ELIZABETH.....(Mhtn) New York City
Candidate for A.B., 1902.
*Latin.*

WALLACH, ADELE NETTIE.....(Mhtn) New York City
Candidate for A.B., 1903.

WALTERS, ELIZABETH ROE.....(Mhtn) New York City
Candidate for A.B., 1903.

WEBSTER, FLORENCE ISABEL.....Haverhill, Mass.
Boston University, A.B., 1896.
*Mathematics.*

WEDEMEYER, MARIE HENRIETTE.....Boulder, Cal.
Candidate for A.B., 1902.
*English.*

WHARTON, WILLIAM PARKER.....Martinsburg, Pa.
Candidate for A.B., 1902.
*English.*

* WOOD, CHARLES WINTER.....Tuskegee, Ala.
Beloit College, A.B., 1895; A.M., 1898.
*English.*

YARRINGTON, ADRIAN MONROE.....(Mhtn) New York City
State Normal School, Oswego, N. Y., 1884.
Cornell University, B.L., 1892.

* YOHANNAN, ISAAC.....(Mhtn) New York City
Columbia University, A.B., 1897; A.M., 1899.
*Greek.*

* Also a candidate for the Ph. D. degree. † Also a candidate for the A. M. degree.

## Candidates only for the Degree of Bachelor of Science *

ALLEN, EDITH DELANCEY.....Geneva, N. Y.
Teachers College, Elementary Diploma, 1899.

AUERBACH, MATILDA.....(Mhtn) New York City
Teachers College, Elementary Diploma, 1899.

COLE, BLANCHE LILLIAN.....(Mhtn) New York City
Teachers College, Elementary Diploma, 1901.

CURTIN, MARGARET.....Hoboken, N. J.
Teachers College, Elementary Diploma, 1899.

SKINNER, ADA MARIA.....Columbus, O.
Columbus Normal School, 1889.
Teachers College, Elementary Diploma, 1901.

## Candidates for an Elementary Diploma

(The figures in parentheses indicate the class to which the student belongs.)

ALLIS, LUELLA VIRGINIA (3).....Syracuse, N. Y.
State Normal School, Brockport, N. Y., 1895.
Candidate for B.S., 1903.

BARNEY, MABEL IRENE (3).....Springfield, Mass.
State Normal School, Westfield, Mass., 1891.

BASSETT, CHARLOTTE BUTLER (3).....New Britain, Conn.
State Normal School, New Britain, Conn., 1890.

BEEGLE, MARY PORTER (3).....(Mhtn) New York City

BLACKFORD, GAY ROBERTSON (3).....Abingdon, Va.

BLAKE, MARION (4).....Jersey City, N. J.

BRAY, WASHINGTON IRVING (3).....Cliffside, N. J.
State Normal College, Albany, N. Y., 1889.
Candidate for B.S., 1903.

BRIDGMAN, ANNE TOWNSEND (4).....(Mhtn) New York City

BROADHURST, JEAN ALICE (3).....Edgewater, N. J.
State Normal School, Trenton, N. J., 1892.

BURFITT, LEILA R. GODFROY (3).....Orange, N. J.
Candidate for B.S., 1903.

BYRNE, JULIA (3).....(Mhtn) New York City

CARRY, EDWARD HARRISON.....Victoria, Texas
Tuskegee Normal and Industrial Institute, 1901.

CAZIN, ADELE (3).....Hoboken, N. J.
State Normal School, Trenton, N. J., 1896.

CLARK, LOUISE (4).....Three Rivers, Mich.
State Normal College, Ypsilanti, Mich., 1898.

CLARKE, MAURICE WILLIAM (4).....(Br) New York City
St. John's College, A.B., 1897.

CLARKE, MYRA BREWSTER (4).....Seattle, Wash.
University of Washington, Pd.B., 1895; A.B., 1900.

CLOSS, RACHAEL EVALINE (3).....Rose, N. Y.
Candidate for B.S., 1903.

COOK, MARY A. (3).....Los Angeles, Cal.
State Normal School, San José, Cal., 1885.

COOPER, CAROLINE ELLERY (4).....Pittsfield, Mass.
Smith College, 1889–1890.

CURTISS, ELIZABETH (3).....(Mhtn) New York City
State Normal School, Geneseo, N. Y., 1896.

DAVIDSON, MARY ELIZABETH SPENCE (3).....(Mhtn) New York City
Normal College, New York City, 1895.

* Other candidates for the degree of Bachelor of Science are listed also as candidates for a diploma.

DUFFEY, LILLIAN ROSE (3) ..... (Bklyn) New York City
ELTINGE, LOUISE (3) ..... New Paltz, N. Y.
EWING, EDITH CLAYPOLE (3) ..... (Mhtn) New York City
Candidate for B.S., 1903.

FAY, MAMIE (1) ..... (Q) New York City
FLETCHER, LOUIS ALOYSIUS (3) ..... (Mhtn) New York City
Shaw University, B.S., 1901.

FRIDENBERG, PAULINE (3) ..... (Mhtn) New York City
Normal College, New York City, 1880.

FROST, HELEN VINCENT (3) ..... Mt. Vernon, N. Y.
State Normal School, New Haven, Conn., 1890.

GADDIS, ISABELLA DONNAN (3) ..... Silver City, N. Mex.
GLANTON, LOUISE PHILLIPS, (3) ..... Newman, Ga.
GOURLIE, ISABEL L. (3) ..... (Mhtn) New York City
Normal College, New York City, 1893.

GRAVES, ANNA MELISSA (4) ..... Pikesville, Md.
Woman's College of Baltimore, 1899–1900.

HAMMOND, ANNA BINGHAM (4) ..... (Mhtn) New York City
State Normal School, New Paltz, N. Y., 1890.

† HANSON, HANS OLAF (4) ..... (Mhtn) New York City
Columbia University, A.B., 1901.

HENDERSON, MARION LIVINGSTON (4) ..... (Mhtn) New York City
HERSOM, HORTENSE (3) ..... Belgrade Lakes, Me.
State Normal School, Farmington, Me., 1894.

HESS, MARY IRENE (4) ..... (Mhtn) New York City
HILL, CORA M. (3) ..... (Mhtn) New York City
Claverack College, Ph.B., 1887.

HOAG, ORRY HUESTED (3) ..... Williamsburgh, N. Y.
HOWARD, MARGARETTE ELIZABETH (3) ..... North East, Pa.
State Normal School, Fredonia, N. Y., 1889.

HUGHES, MARGARET MARIA (3) ..... (Mhtn) New York City
Normal College, New York City, 1876.
Candidate for B.S.

HULETT, MARGARET (3) ..... Newburgh, N. Y.
Radcliffe College, 1898–1900.

IRVING, SYLVIA (3) ..... (Bklyn) New York City
KENNEDY, ANNA (4) ..... Little Silver, N. J.
State Normal School, Trenton, N. J., 1881.

KING, IDA JANE (3) ..... (Bklyn) New York City
KYDD, IDA ELIZABETH (3) ..... (Mhtn) New York City
LESTER, CAROLINE FOOTE (3) ..... Seneca Falls, N. Y.
State Normal School, Brockport, N. Y., 1898.

LEVER, LILY CARLOTEA YENDELL (3) ..... (Bklyn) New York City
Candidate for B.S.

LONDON, JEANNETTE FANNIE (3) ..... (Mhtn) New York City
MABREY, GERTRUDE ESTELLE (4) ..... Norwich, Conn.
State Normal School, Norwich, Conn., 1896.

MATHESON, WINIFRED (3) ..... Helena, Mont.
MILLER, ALICE ETTA (4) ..... Long Green, Md.
MOFFIT, CHARLOTTE JANE ..... Chicago, Ill.
MONTELL, ELIZABETH (3) ..... Baltimore, Md.
Maryland State Normal School, 1895.

MORRISON, GRACE LOUISE (3) ..... (Mhtn) New York City
NASH, NINA MAY (3) ..... Canton, S. Dak.
State Normal School, Madison, S. D., 1888.

† Also a candidate for the A.M. degree.

NASH, WILLIAMETTA ORTON (4) ..... South Norwalk, Conn.
University of Michigan, 1892–1893.

NEER, MARY LOUISA (4) ..... Park Ridge, N. J.
State Normal School, Trenton, N. J., 1893.

NORDELL, HILDEGARDE ELFREDA (4) ..... Stamford, Conn.
O'BRIEN, SAIDA ..... Weehawken, N. J.
O'GERAN, ANNIE S. (3) ..... Oswego, N. Y.
State Normal School, Oswego, N. Y., 1890.

PEABODY, MARY GERTRUDE (3) ..... Gilead, Me.
State Normal School, New Britain, Conn., 1890–1891.

PELTON, EDITH CHESTER (4) ..... Hartford, Conn.
PLUMB, CLARA CHARLOTTE (3) ..... Elizabeth, N. J.
PLUNKETT, HARRIET MARIE (3) ..... Ovid, Mich.
Michigan State Normal College, 1891.

POTTER, ELLA HATCH (3) ..... Geneva, N. Y.
Candidate for B.S., 1903.

REDDICK, HANNAH ADELENA H. ..... Americus, Ga.
REID, FLORENCE ELIZABETH (3) ..... Jersey City, N. J.
RHOADES, FANNY F. (3) ..... Hannibal, N. Y.
State Normal School, Oswego, N. Y., 1898.

RILEY, MARIETTA (3) ..... (Bklyn) New York City
ROBINSON, GERTRUDE (3) ..... Terre Haute, Ind.
State Normal School, Terre Haute, Ind., 1894.

RODMAN, HENRIETTA (3) ..... Astoria, N. Y.
State Normal College, Albany, N. Y., 1895–1896.
State Normal School, Jamaica, N. Y., 1900.
Candidate for B.S., 1903.

ROSECRANTS, GEORGE SMITH (3) ..... New York City
State Normal College, Albany, N. Y., Pd.B., 1897.
State Normal School, Jamaica, N. Y., 1900.
Candidate for B.S., 1903.

RYLAND, MARION GARNETT (3) ..... Richmond, Va.
Woman's College, Richmond, Va., A.B., 1891.

SCHWERIN, NETTIE PICARD (3) ..... (Mhtn) New York City
SCRIBNER, ARABELLA ..... (Mhtn) New York City
Rutgers Female College, L.B., 1876.

SEATON, GRACE MARIA (3) ..... Richfield Springs, N. Y.
State Normal School, Albany, N. Y., 1893.
Candidate for B.S., 1903.

SHEPHERD, FRANCES ALMIRA (4) ..... Denver, Colo.
SILL, KATHARINE ANNE (3) ..... Sodus Pt., N. Y.
State Normal School, Brockport, N. Y., 1900.

SIME, GEORGE BROWN ..... New York City
State Normal College, Albany, N. Y., Bd.B., 1897.
Candidate for B.S.

SMITH, MEREDITH (3) ..... Omaha, Neb.
SPEARS, EDNA AMELIA ..... Montgomery, Ala.
Tuskegee Normal and Industrial Institute, 1898.

STORMS, ESTELLE TEN BROEK (3) ..... (Mhtn) New York City
State Normal School, Oswego, N. Y., 1889.

TENER, ELIZABETH (4) ..... (Mhtn) New York City
TIBBITS, MARIETTA JANE (3) ..... New York City
Normal College, New York City, 1880.

TILFORD, AVONIA B. (3) ..... New York City
Training School, Jersey City, N. J., 1882.

TOMLINSON, CORA (4) ..... Plainfield, N. J.
TREUDLEY, HELEN MOSS (3) ..... Youngstown, O.
Hiram College, 1900–1901.

TURNER, JESSICA KNAPP (3) ..... Addison, N. Y.
Elmira College, 1882–1883.
Candidate for B.S., 1903.

VENABLE, MARY GRACE (3) ..... Ashville, N. C.
Normal and Collegiate Institute, Ashville, N. C., 1899.

VINSON, BYRD (3) ..... (Mhtn) New York City
WALKER, MARY ADELAIDE (3) ..... (Mhtn) New York City
Maryland College, A.B., 1898.

WEST, MARY CHEVES (4) ..... (Mhtn) New York City
State Normal College, North Carolina, 1897.
Teachers College, 1901.
Candidate for B.S., 1903.

WETTLIN, EMMA LOUISE (4) ..... Newark, N. J.
WHEALTON, INDIANA REBECCA (4) ..... New York City
Western Maryland College, A.B., 1898.

WILSON, MARGARET RACHEL (3) ..... Bowdoinham, Me.
State Normal School, Farmington, Me., 1893.

WOODWARD, LOTTIE BENSON (3) ..... New Rochelle, N. Y.
WYCKOFF, HARRIET ELVIRA (4) ..... Cuba, N. Y.
State Normal School, Geneseo, N. Y., 1887.

YUDELSON, SOPHIE (4) ..... (Mhtn) New York City

## Candidates for the Kindergarten Diploma

ALLEN, BIRD (4) ..... (Mhtn) New York City
State Normal School, New Paltz, N. Y., 1890.

APGAR, ADA COLLINS (3) ..... Trenton, N. J.
AUSTIN, MARGARET REBECCA (4) ..... Canton, N. Y.
St. Lawrence University, Ph.B., 1900.

BEAMAN, ELIZABETH (4) ..... Cincinnati, O.
BOSTWICK, SARAH WELLS (3) ..... (Bklyn) New York City
BOWER, MARY LYDIA (4) ..... Salisbury, Conn.
State Normal School, New Britain, Conn., 1894–1896.

BRUSH, JANE WHEELER (4) ..... Geneva, N. Y.
CAREY, HENRIETTA WOODWORTH (4) ..... Norwich, Conn.
Smith College, 1896–1898.
Candidate for B.S., 1902.

CRAWFORD, ANNA EASTON (3) ..... Lowville, N. Y.
Kindergarten Training School, Utica, N. Y., 1898.

DARLING, ELEANOR LOUISE (3) ..... Rye, N. Y.
† EARLL, IRENE (3) ..... Syracuse, N. Y.
Cornell University, A.B., 1890.

EATON, MARY (4) ..... Cincinnati, O.
University of Cincinnati, B.L., 1892.
Kindergarten Training School, Cincinnati, O., 1897.

FREEBORN, ELIZABETH JOHNSON (3) ..... Warren, R. I.
GRANT, EMMA COLLIER 2nd (3) ..... (Mhtn) New York City
GUNN, HARRIETTE ELIZABETH (4) ..... Spokane, Wash.
Chicago Kindergarten College, 1899.

HARRISON, GAIL (3) ..... Santa Barbara, Cal.
HAYES, EUPHEMIA JANET (3) ..... (R) New York City
HOUSE, ETHEL ADELINE (3) ..... Salonica, Turkey
Lake Erie College, B.L., 1901.
Candidate for B. S, 1903.

JENKINS, GRACE ELSIE (3) ..... Mt. Vernon, N. Y.
KELLOGG, FLORENCE AMELIA (4) ..... Cincinnati, O.
LEOPOLD, CORA ROSE (4) ..... (Mhtn) New York City
MADDOCK, CATHERINE LORETTO (3) ..... Astoria, N. Y.

† Also a candidate for the A.M. degree.

PARSONS, HENRIETTA GRACE (3).....(Mhtn) New York City
PINCKNEY, MARGUERITE MAINGAULT (3).....Charleston, S. C.
RAMAGE, LAETA MARION (3).....Worthington, Minn.
State Normal School, Mankato, Minn., 1899.

ROBERTS, HELEN ELSIE (3).....Mt. Vernon, N. Y.
WHITE, CHARLOTTE (3).....Orange, N. J.
Candidate for B. S, 1903.

WILLIAMS, BESSIE POTTER (4).....(Mhtn) New York City
WORDEN, ALICE JANE (4).....Paterson, N. J.
State Normal School, Paterson, N. J., 1899.
WYANT, ALICE MAY (3).....(Mhtn) New York City

## Candidates for the Domestic Art Diploma

ANSBACHER, BELLE H. (3).....(Mhtn) New York City
BARRON, HONORA AGNES (3).....(Mhtn) New York City
BUTLER, MYRA HIBBARD (3).....Woodsville, N. H.
Brown University, Ph.B., 1899.

COOLEY, ANNA MARIA (3).....(Mhtn) New York City
Normal College, New York City, 1893.

FARNSWORTH, CHARLOTTE JAY (3).....(Mhtn) New York City
Wellesley College, 1887–1896.
University of Colorado, Ph.B., 1897.

FREED, ROSE (4).....(Mhtn) New York City
HOCHLEITNER, LOUISE C. (3).....(Mhtn) New York City
NOBLE, HELEN GRAY (4).....Jersey City, N. J.
PREBLE, GRACE ROSAMOND.....(Mhtn) New York City
Rutgers Female College, A.B., 1876.

ROBERTS, MARIE C. (3).....(Mhtn) New York City
SAGE, ELIZABETH (4).....(Mhtn) New York City
STEWART, CLARA (4).....Providence, R. I.

## Candidates for the Domestic Science Diploma

BEARDSHEAR, HAZEL LEONIE (4).....Ames, Iowa
Iowa State College, B.L., 1896.

BEDELL, EVA GERTRUDE (4).....New Baltimore Sta., N. Y.
BENTON, ELIZA (3).....Coldwater, Mich.
University of Michigan, Ph.B., 1874.

DAY, HELEN MARION (3).....St. Louis, Mo.
DULON, MABEL RICHARDS (4).....(Mhtn) New York City
DUTCHER, MARY (4).....(Mhtn) New York City
FARQUHAR, AMÉLIE MARGARET (4).....Detroit, Mich.
GOWER, MARY LOVE (4).....Los Angeles, Cal.
GRIFFITH, MIRIAM (3).....Jersey City Heights, N. J.
JAYNES, FLORA MAY (3).....Sedalia, Mo.
JORALEMON, BELLE HEDDEN (4).....Orange, N. J.
LOHMANN, DAISY STUART (3).....Hoboken, N. J.
LUBLIN, JANET (3).....(Mhtn) New York City
State Normal School, Geneseo, N. Y., 1888.

MCINTYRE, MARGARET ALLEN (3).....Chicago, Ill.
MCMILLAN, JESSIE (3).....Minneapolis, Minn.
University of Minnesota, B.L., 1889.

MAYER, HATTIE (3).....(Mhtn) New York City
MERRILL, ALICE ENDORA (3).....Saginaw, Mich.
MERRILL, SUSAN BLISS (3).....Lexington, Mich.

MILLER, SARAH (4) ..... Minneapolis, Minn.
University of Minnesota, 1893.

PERHAM, BERTHA ELLEN (4) ..... Lestershire, N. Y.
State Normal School, Johnson, Vt., 1888.

PETTIE, ALVENA (3) ..... Durham, N. H.
New Hampshire College, B.S., 1900.

RAITT, EFFIE BELLE (3) ..... (Mhtn) New York City
RICH, JESSIE PINNING (4) ..... Oshkosh, Wis.
State Normal School, Oshkosh, Wis., 1897.

SANFORD, MAY THOMAS (3) ..... (Mhtn) New York City
SECREST, MAY (4) ..... Randolph, Kan.
Kansas Agricultural College, B.S., 1892.

SIMONS, LETITIA WILLIS (3) ..... Port Chester, N. Y.
Woman's College, Baltimore, A.B., 1901.

STRONG, EUNICE ELIZA (4) ..... Colchester, Conn.
SWINGLE, CORA E. (4) ..... Manhattan, Kan.
Kansas Agricultural College, B.S., 1900.

TROWBRIDGE, ELEANOR ELIZABETH (3) ..... Toledo, O.
TUTTLE, MARY LOUISE (4) ..... Waterbury, Conn.
WALLACE, MARY LEIGHTON (4) ..... St. Louis, Mo.
WAY, CHARLOTTE M. (4) ..... (Mhtn) New York City
Swarthmore College, B.S., 1888.
Leland Stanford, Jr., University, A.B., 1892.

WEEKS, CORNELIA (3) ..... Lincoln, Kan.
WHEELER, ALTHEA (3) ..... Salt Lake City, Utah
WILBUR, HELEN REYNOLDS (3) ..... New London, Conn.

## Candidates for the Fine Arts Diploma

ARMAND, LOUIS JULES (3) ..... (Mhtn) New York City
BROWN, MARY PORTERFIELD (4) ..... (Mhtn) New York City
ECKHARDT, CLARA ELIZABETH (3) ..... Gilroy, Cal.
ENGELBREKT, SELMA CHARLOTTE (3) ..... New Rochelle, N. Y.
FRIEDMAN, ELLA (4) ..... (Mhtn) New York City
GREENE, ALICE ETHEL (3) ..... (Mhtn) New York City
HYNES, HELEN MARIE (3) ..... (Mhtn) New York City
LOVELL, HELEN (3) ..... Plainfield, N. J.
MYERS, ALICE INGLIS (3) ..... New Rochelle, N. Y.
NESBIT, MARGARET OTIS (3) ..... Yonkers, N. Y.
NORDELL, ANNA (4) ..... Stamford, Conn.
PEEK, BERTHA E. (3) ..... Newark, N. Y.
PLATT, ALETHEA HILL (3) ..... New York City
PRIEST, LYDIA TULLOCH (3) ..... (Bklyn) New York City
SKINNER, ANNIE BAILEY (3) ..... Fredonia, N. Y.
STANGLAND, JESSIE CARY (4) ..... (Mhtn) New York City
THOMPSON, VIRGINIA (3) ..... Monticello, N. Y.
TURNER, HELEN MARIA (4) ..... (Mhtn) New York City
State Normal School, New Orleans, La., 1878.

WENTWORTH, ADDIE ELIZA (3) ..... Melrose, Mass.
State Normal School, Bridgewater, Mass., 1886.

## Candidates for the Manual Training Diploma

ATWATER, CHARLES OGDEN (3) ..... New Haven, Conn.
BERTHOLF, KATHERINE ILIFF (3) ..... Nyack, N. Y.

COLTON, HENRY EWING (4).....(Mhtn) New York City
COLTON, LITCHFIELD (3).....Exeter, N. H.
CONSALUS, FRANCES HAMILTON (3).....(Mhtn) New York City
COOK, WILLIAM H. (3).....Battle Creek, Mich.
State Normal School, Homer, Mich.

DYER, DANIEL PIKE (4).....Lestershire, N. Y.
Boston Sloyd Training School, 1896.

FORD, CLARA MORRISON (3).....Newburgh, N. Y.
GOODRICH, HARRIET M. (4).....Grand Rapids, Mich.
University of Illinois, 1896–1897.

HULETT, ANNA (3).....Newburgh, N. Y.
State Normal School, New Paltz, N. Y., 1901.

JACOBS, CHARLES LOUIS (4).....(Mhtn) New York City
KNAPP, ELIZABETH SANBORN (4).....Yonkers, N. Y.
LOFTUS, MARTHA MARY (3).....North Adams, Mass.
MACNARY, EGBERT EUGENE (3).....Arlington, N. J.
MARSHALL, FLORENCE MABEL (3).....East Douglas, Mass.
Boston University, A.B., 1899.

NOYES, WILLIAM (4).....Chicago, Ill.
Amherst College, A.B., 1884.
Andover Seminary, B.D., 1887.

PERLEY, MARIE HUNTRESS (3).....Honolulu, H. I.
SOUTHWORTH, RAY LLOYD (3).....Mondovi, Wis.
‡ STABER, OTTILIE PAMELA (4).....(Bklyn) New York City
THOMSON, JOHN (4).....(Mhtn) New York City
VINCENT, GRACE (4).....Somerville, N. J.
State Normal School, Trenton, N. J., 1893.

WARNER, GRACE (3).....Salisbury, Conn.
WIGHT, MARGARET V. D. (4).....(Mhtn) New York City
WILKINSON, LOUISE (3).....Newburgh, N. Y.
WORK, NORMAN PORTER (3).....(Mhtn) New York City

## Candidates for a Music Diploma

ABRAMS, EFFIE MURRAY (4).....Hartford, Conn.
CRANE, AMY E. (3).....(Mhtn) New York City
FRIESS, LOTTIE (3).....(Br) New York City
POWERS, KATHARINE NEWMAN (3).....(Mhtn) New York City
ROE, HELEN ESTELLE (4).....Branchville, N. J.
STRAUCHEN, MINERVA A.....Gloversville, N. Y.
State Normal School, Oneonta, N. Y., 1894.

ZERBE, DAISY MAUD (3).....(Mhtn) New York City

## Students in the Collegiate Course

BARNETT, OELAND LAMAR (2).....Shelley, N. C.
Candidate for B.S., 1904.

BARRETT, DAISY VIVIAN (2).....(Mhtn) New York City
BIRMINGHAM, MARY CECELIA (2).....(Mhtn) New York City
BUCHER, HERMAN (1).....(Mhtn) New York City
Candidate for B.S., 1905.

‡ Also a candidate for the Fine Arts Diploma.

BUTLER, FLORENCE LOUISE (2) ..... Orange, N. J.
CHURCH, MARION EMMA (1) ..... Passaic, N. J.
CONGER, DELLA LOUISE (1) ..... New Brunswick, N. J.
DAVIDSON, FLORENCE (2) ..... Dobbs Ferry, N. Y.
GILL, LULU GENEVIEVE (1) ..... (R) New York City
GILLETTE, KATHARINE SLOANE (1) ..... Mt. Vernon, N. Y.
GOMEZ, MILDRED (2) ..... (Mhtn) New York City
GRISWOLD, FLORENCE KRESSLER (2) ..... (Mhtn) New York City
HALLOWELL, HELEN (2) ..... (Mhtn) New York City
HIX, MELVIN (1) ..... (Mhtn) New York City
Candidate for B.S.

HOUCHIN, STELLA (1) ..... (Mhtn) New York City
HUBBARD, MARY AGNES (1) ..... New Rochelle, N. Y.
KEIL, CAROLINE ELIZABETH (2) ..... (Mhtn) New York City
Candidate for B.S., 1904.

KNIGHT, HELEN (1) ..... Lockport, N. Y.
KNOWLTON, MARIE ROCKWELL (1) ..... (Mhtn) New York City
LACHMUND, LAURA MATHILDA (2) ..... Tappan, N. Y.
MCKAY, MARGARET ELLIOT (2) ..... Wilmington, Del.
MAEDER, EMILY LYDIA (1) ..... (Mhtn) New York City
Candidate for B.S., 1905.

MOORE, EDNA M. (1) ..... Philadelphia, Pa.
MUNCKWITZ, WINIFRED (1) ..... (Mhtn) New York City
ODENCRANTZ, TULLA CAROLINE (2) ..... Houston, Texas
PARROT, ALICE BURROUGHS (2) ..... Elizabeth, N. J.
REPPENHAGEN, LEILA (2) ..... Highland Falls, N. Y.
ROGERS, SARAH A. E. (2) ..... (Bklyn) New York City
ROLLINSON, EDITH HOYT (1) ..... Rahway, N. J.
RÜHL, ANNA (2) ..... (Bklyn) New York City
SPURR, MARY CLARK (2) ..... Sheffield, Mass.
STADLER, BLANCHE FANNIE (1) ..... Mt. Vernon, O.
STEELE, MINNIE LOUISE (2) ..... (Mhtn) New York City
STEVENS, HARRIET LILLIAN (2) ..... Elbridge, N. Y.
STILLMAN, RUTH ELIZABETH (1) ..... Rahway, N. J.
STRYKER, ADELAIDE BEVERLY (2) ..... White Plains, N. Y.
TAMAGNO, GRACE MARY (2) ..... (Mhtn) New York City
THOMAS, EMILY BALDWIN (1) ..... St. Louis, Mo.
TOEPP, LAWRENCE A. (1) ..... (R) New York City
Candidate for B.S.

TRUBE, JESSIE MAUD (2) ..... Hastings-on-Hudson, N. Y.
WARNER, ELIZABETH HAYWARD (2) ..... (Mhtn) New York City
WELLS, FLORENCE E. (2) ..... Saginaw, Mich.
WESTFALL, MABEL JOSEPHINE (2) ..... Mt. Vernon, N. Y.
YOST, NANCY ELLEN (2) ..... (Mhtn) New York City

## Special Students

ARCHBOLD, ANNE M. ..... (Mhtn) New York City
CONNER, MARY EMMA ..... Scranton, Pa.
CORWIN, EUPHEMIA KIPP ..... New Brunswick, N. J.
CRAIG, AGNES HOUSTON ..... Amity, N. Y.
FRAUNCE, HENRY R. ..... Philadelphia, Pa.
HILL, FLORENCE A. ..... (Mhtn) New York City
ISAACS, EDNA LOUISE ..... (Mhtn) New York City
KIRSCH, ALMA NATALIE ..... New York City

LAZARUS, VIRGINIA CUNNINGHAM.....New York City
WARD, FLORENTINE.....Bloomfield, N. J.
WHITLEY, MARY THEODORA.....Ottawa, Canada

### Students in the Course in Hospital Economics

BEAZLEY, ADA.....Elgin, Ill.
BOHN, FLORA THEODORA.....Chicago, Ill.
St. Mark's Training School for Nurses, 1893.

FISHER, SUSAN JOANNA.....Indianapolis, Ind.
Connecticut Training School for Nurses, 1894.

FORBES, HARRIET.....Newton Centre, Mass.
FRASER, FLORENCE MARGARET.....Morristown, N. Y.
Cincinnati Hospital Training School, 1895.

GLENN, ELIZA CONDE.....Rockford, Ill.
Illinois Training School for Nurses, 1887.

JOHNSON, HARRIET MERRILL.....Bangor, Me.
VOGELSANG, KATHRYN.....Henry, Ill.
Brooklyn Homeopathic Hospital Training School, 1898.

### Matriculated Extension

The courses pursued are indicated in parentheses, abbreviated as follows:

| | | | |
|---|---|---|---|
| (B.) | Biology | (G.) | Geography |
| (D.A.) | Domestic Art | (Ger.) | German |
| (D.S.) | Domestic Science | (H.) | History |
| (Ed.) | Education | (K.) | Kindergarten |
| (E.) | English | (M.) | Mathematics |
| (F.A.) | Fine Arts | (S.) | Physical Science |

AHRENSBEUMER, HÉLÈNE (G.).....(Mhtn) New York City
ALDEN, AMELIA DALEY (Ed.).....(R) New York City
ALTSCHUL, CLARA (B.).....(Mhtn) New York City
AMBROSE, MADGE G. (E.).....(Mhtn) New York City
AXTELL, FLORENCE JOSEPHINE (H.).....Hambletville, N. Y.
BEAVERS, EMMA SHEPARD (Ed.).....East Orange, N. J.
BELCHER, KATHERINE FISHER (Ed.).....East Orange, N. J.
BENNETT, HENRIETTA SHERMAN (Ed.).....(Q) New York City
BERGAMINI, RACHEL (E.).....(Mhtn) New York City
BERGER, ANNETTE (G.).....(Mhtn) New York City
BERGER, IDA (H.).....(Mhtn) New York City
BERMINGHAM, FLORENCE (E.).....(Mhtn) New York City
BLACKMAN, MARION ELIZABETH (Ed.).....(Bklyn) New York City
BRETT, ANNA (Ed.).....Albany, N. Y.
BRETT, EDITH (Ed.).....Albany, N. Y.
BURR, CAROLYN A. (D.A.).....(Mhtn) New York City
BUTTERWORTH, EMILY DU BOIS (F.A.).....(Mhtn) New York City
BÜTTNER, FREDA (Ed.).....(Mhtn) New York City
CALKINS, CLARA CONANT (Ed.).....(Bklyn) New York City
CANTRELL, MARY J. (H.).....(Mhtn) New York City
CARPENTIER, LÉONTINE L. (Ed.).....(Mhtn) New York City
CARTER, LENA RISLEY (K.).....(Mhtn) New York City
CHRISTIE, SARAH (Ed.).....(Q) New York City
CLARK, ADELL O. (E.).....(R) New York City
CLEARY, MARY G. (H.).....(Mhtn) New York City

CODY, MARGARET E. (Ed.) ..... (Mhtn) New York City
CONNOLLY, ANNA E. (G.) ..... (Mhtn) New York City
COONEY, GENEVIEVE (Ed., K.) ..... (Q) New York City
CRANE, ELLA E. (H.) ..... (Q) New York City
CRAWFORD, ANNA E. (K.) ..... (Mhtn) New York City
CUMMINGS, MARY MARGARET (E., G.) ..... (Mhtn) New York City
CUNNINGHAM, ANNIE ELIZABETH (E.) ..... (Mhtn) New York City
CURRY, EMILY CHRISTINE (Ed.) ..... (Q) New York City
DALTON, ELIZABETH (E.) ..... Jersey City, N. J.
DE LIGARDE, FRANCES F. (K.) ..... (Mhtn) New York City
DORN, SERENA (G., H.) ..... (Mhtn) New York City
DU BOIS, SOLOMON E. (E.) ..... (Mhtn) New York City
EICHE, JULIA L. (G., H.) ..... (Mhtn) New York City
ERWIN, KATE AUGUSTA (E.) ..... (Mhtn) New York City
EVANS, DANIEL BUDD (Ed., S.) ..... Rockaway, N. J.
EZEKIEL, JEANNETTE (K.) ..... (Mhtn) New York City
FARLEY, MARY L. (E.) ..... (Mhtn) New York City
FINLEY, ISABEL S. (G., H.) ..... (Mhtn) New York City
FITCH, JAMES HENRY ARTHUR (Ed.) ..... (Mhtn) New York City
FORD, ELLEN V. (Ed.) ..... (Bklyn) New York City
FOX, ALICE BLEECKER (D.A.) ..... (Mhtn) New York City
FRAWLEY, MARY E. (G., H.) ..... (Mhtn) New York City
GALL, MARIAN DEWAR (Ed.) ..... Paterson, N. J.
GOETZ, JENNIE J. (E.) ..... (Mhtn) New York City
GORMAN, THOMAS PATRICK (Ed.) ..... (Q) New York City
GREEN, JEANNIE (Ed., H.) ..... Elmhurst, L. I.
GRIFFIN, MINNIE T. (Ed.) ..... White Plains, N. Y.
GUINZBURG, ELEANOR (Ger.) ..... (Mhtn) New York City
HAMILTON, ELIZABETH MOODIE (E.) ..... Montclair, N. J.
HAVANAGH, PETER B. (Ed.) ..... (Mhtn) New York City
HAYES, MARY L. (H.) ..... (Mhtn) New York City
HENWOOD, WILLIAM J. (Ed.) ..... (Mhtn) New York City
HOGAN, KATHERINE ELIZABETH (Ed.) ..... (Mhtn) New York City
HOLRAN, ROSE ANNA (G.) ..... (Bklyn) New York City
HOWE, LUCY (Ed., E.) ..... Indianapolis, Ind.
IRVIN, CLARA (Ed.) ..... (Mhtn) New York City
JACKSON MARTHA (Ed.) ..... (Mhtn) New York City
KEANE, MICHAEL BERNARD (Ed.) ..... (Mhtn) New York City
KELLY, FANNY J. (K.) ..... (Mhtn) New York City
LA VELLE, BLANCHE (K.) ..... (Mhtn) New York City
LEONARD, KATHERINE (Ed.) ..... (Mhtn) New York City
MCKERNAN, CHRISTINE ELIZA (Ed.) ..... Jersey City, N. J.
MATHEWS, MARY ESTELLE (E.) ..... (Bklyn) New York City
MIDDLETON, FLORENCE (Ger.) ..... (Mhtn) New York City
MILLER, FRANK (F.A.) ..... (Mhtn) New York City
MISCHLIEB, ADOLPH (Ed., E.) ..... (Mhtn) New York City
MORRISSEY, MICHAEL J. (Ed.) ..... (Mhtn) New York City
MOTT, SARAH MINNIE (Ed.) ..... East Orange, N. J.
O'NEILL, ANNIE J. (Ed., E.) ..... (Bklyn) New York City
O'NEILL, CHARLES E. (Ed.) ..... (Mhtn) New York City
OPPER, EMMA ALMIRA (F.A., E.) ..... Bensonhurst, N. Y.
PADDOCK, ALICE HORTENSE (Ed., E.) ..... (Mhtn) New York City
PALEN, LOUIS ELLSWORTH (E.) ..... (Mhtn) New York City
PARKHURST, JESSIE E. (Ed.) ..... Mt. Vernon, N. Y.
PAULSON, GERTRUDE M. (G.) ..... (Bklyn) New York City
PLANER, CLARA HELENE (Ed.) ..... Hoboken, N. J.
POCKRIDGE, ANNA (Ed.) ..... (Mhtn) New York City
PREECE, EMMA LOUISE (E.) ..... (Mhtn) New York City

QUEUNARD, ANNA H. (Ed.) ..... (Q) New York City
QUIMBY, ERNEST SCOTT (Ed.) ..... (Mhtn) New York City
REA, JENNIE A. (E.) ..... (Mhtn) New York City
REGAN, ANNA H. (G.) ..... (Mhtn) New York City
REGAN, MARGARET AGNES (G.) ..... (Mhtn) New York City
REGAN, MARY ANASTATIA (E., H.) ..... (Mhtn) New York City
ROCHE, MARY FRANCES (G., H.) ..... (Mhtn) New York City
ROEDER, AMELIA (H.) ..... (Q) New York City
ROMER, CAROLINE (F.A.) ..... Newark, N. J.
ROONEY, KATE ELIZABETH (E.) ..... (Q) New York City
ROSTETTER, ALICE LOUISE (E.) ..... (Mhtn) New York City
ROTTGER, ELIZABETH CHRISTINE (E.) ..... (Mhtn) New York City
SCHERZINGER, MINNIE ANNA (H.) ..... (Mhtn) New York City
SCHULTE, ANNA M. (Ed., H.) ..... (Mhtn) New York City
SCHULTE, CHARLOTTE THEODOSIA (Ed.) ..... (Q) New York City
SEARING, HENRIETTA CASTERLINE (E.) ..... Dover, N. J.
SEIDENSTICKER, CLARA (Ger.) ..... (Mhtn) New York City
SHAFER, LILLIAN OLCOTT (D.A.) ..... Montclair, N. J.
SIMPSON, ANNIE BARCHARD (G., H.) ..... (Mhtn) New York City
SINNOTT, AGNES THERESA (Ed.) ..... (Q) New York City
SPENCE, ANNIE (E., G.) ..... (Mhtn) New York City
STORMS, ESTELLE TEN BROECK (Ed., H.) ..... (Mhtn) New York City
STRAUSS, BELLA (Ed., H.) ..... (Mhtn) New York City
THAYER, HELEN GERTRUDE (Ger.) ..... (Mhtn) New York City
THISTLE, MARGARET ANNIE (G.) ..... (Mhtn) New York City
THISTLE, MARY CHARLOTTE (G., H.) ..... (Mhtn) New York City
THORNE, JOSEPHINE (F.A.) ..... Prince's Bay, N. Y.
TIERNEY, ELIZABETH (E.) ..... Marble Hill, Kingsbridge, N. Y.
TONER, ELEANOR LORETTO (E.) ..... (B) New York City
TRYON, HOWARD IRA (Ed.) ..... New Rochelle, N. Y.
VALENTINE, FRANCES A. (E.) ..... (Mhtn) New York City
VAN VLECK, MARY ELISABETH (Ed.) ..... (Bklyn) New York City
VORIS, MARTHA ORILLA (Ger.) ..... Storm Lake, Iowa
WARREN, EUGENIE (Ed.) ..... Cos Cob, Conn.
WATERS, MARY STRONG (K.) ..... (Mhtn) New York City
WEBSTER, FLORENCE HUNTINGTON (Ed.) ..... (Bklyn) New York City
WEEKS, FLORENCE LOUISE (Ed.) ..... (Q) New York City
WEHLE, HANNA (Ger.) ..... (Mhtn) New York City
WEMYSS, HENRIETTA C. (Ed.) ..... (Mhtn) New York City
WHITE, MABEL MOWTON (Ed.) ..... (Mhtn) New York City
WITTPENN, ANNA DOROTHEA (E.) ..... Jersey City, N. J.
WILLIAMS, EVELENA (Ed.) ..... (Q) New York City
WISEMAN, J. SCOTT (Ed.) ..... Westwood, N. J.
WYLER, CORA CAROLYN (G.) ..... (Mhtn) New York City
YOUNG, ANNA (H.) ..... (Mhtn) New York City

## SUMMARY.

I. Candidates for Diplomas:

| | |
|---|---|
| Candidates for Higher Diploma | 81 |
| " " Secondary Diploma | 97 |
| " " Elementary Diploma | 99 |
| " " Kindergarten Diploma | 30 |
| " " Domestic Art Diploma | 12 |
| " " Domestic Science Diploma | 35 |
| " " Fine Arts Diploma | 19 |
| " " Manual Training Diploma | 25 |
| " " Music Diploma | 7 |
| Students in Collegiate Course | 44 |
| | 449 |

| | | | |
|---|---|---|---|
| Brought forward | | | 449 |
| II. Candidates for Degrees: | | | |
| Candidates for Higher Degrees: | | | |
| Under the Faculty of Philosophy | 136 | | |
| " " " " Political Science | 1 | | |
| " " " " Pure Science | 5 | | |
| Candidates for Bachelor's Degree: | | | |
| Under Columbia College | 9 | | |
| " Barnard College | 53 | | |
| " Teachers College | 40 | | |
| | | 244 | |
| Less number of candidates for both diploma and degree | | 171 | 73 |
| III. Students not candidates for a diploma or degree: | | | |
| Special Students | 12 | | |
| Special Students in Hospital Economics | 8 | | |
| Auditors and Irregular Students | 137 | | |
| | | | 157 |
| | | | 679 |

## PUPILS IN SCHOOLS

*Horace Mann School*

| | | |
|---|---|---|
| High School | | 296 |
| Grammar School | | 231 |
| Primary School | | 192 |
| Kindergarten | | 29 |
| | | 748 |

*Experimental School.*

| | | |
|---|---|---|
| Primary School | 50 | |
| Kindergarten | 40 | 90 |
| | | 838 |
| Extension Students | | 400 |

## SUMMER SESSION

### 1901

### ADMINISTRATIVE BOARD

SETH LOW, LL.D.
*President of the University*

NICHOLAS MURRAY BUTLER, Ph.D., LL.D.
*Professor of Philosophy and Education, Dean of the Faculty of Philosophy, Director of the Summer Session*

JAMES EARL RUSSELL, Ph.D.
*Professor of the History of Education, Dean of Teachers College*

### Faculty

FRANKLIN THOMAS BAKER, A.M. ..... *English Language and Literature*
WILLIAM TENNEY BREWSTER, A.M. ..... *English*
NICHOLAS MURRAY BUTLER, Ph.D., LL.D. ..... *Philosophy and Education*
GEORGE RICE CARPENTER, A.B. ..... *Rhetoric and English Composition*
ELIZABETH CARSS, Ph.B. ..... *Nature Study*
HARRY ALONZO CUSHING, LL.B., Ph.D. ..... *History*
JAMES CHIDESTER EGBERT, Jr., Ph.D. ..... *Latin*
JEANNETTE BLISS GILLESPY, A.B. ..... *English*
WILLIAM HALLOCK, Ph.D. ..... *Physics*
WILLIAM ADDISON HERVEY, A.M. ..... *German*
ABRAHAM VALENTINE WILLIAMS JACKSON, Ph.D., L.H.D. ..... *English*
ADAM LEROY JONES, Ph.D. ..... *Philosophy*
CASSIUS JACKSON KEYSER, A.M. ..... *Mathematics*
LOUIS AUGUSTE LOISEAUX, B.S. ..... *Romance Languages and Literatures*
CHARLES ALEXANDER MCMURRY, Ph.D. ..... *Theory and Practice of Teaching*
JOHN ANGUS MACVANNEL, Ph.D. ..... *Philosophy and Education*
PAUL MONROE, Ph.D. ..... *History*
WATSON LEWIS SAVAGE, M.D. ..... *Physical Training*
EDWARD LEE THORNDIKE, Ph.D. ..... *Psychology*
WILLIAM PETERFIELD TRENT, A.M., LL.D. ..... *English*
FRANK LEO TUFTS, Ph.D. ..... *Physics*

### Other Instructors

JESSIE HUBBELL BANCROFT.....*Physical Training*
GUSTAV HERRMAN BOJUS.....*Physical Training*
WILLIAM HARPER DAVIS, A.B.....*Psychology*
OSWALD RUDOLF EKLÖF.....*Manual Training*
LOUIS HERBERT GRAY, Ph.D.....*English*
CHARLES HOLROYD.....*Swimming*
GEORGE SAWYER KELLOGG.....*History of Art*
ELSIE KUPFER, A.B.....*Education*
NAOMI NORSWORTHY.....*Education*
GEORGE RUPPERT SEIKEL.....*Physical Training*
ADA FRANCES THAYER.....*Physical Training*
LUCY HESS WEISER.....*Manual Training*

## GENERAL STATEMENT

The second Summer Session of the University opened July 8, 1901, and closed August 16. The registration days for the Summer Session were July 5 and 6. Examinations for certificates were held on August 16.

Courses were offered in education, English (including rhetoric and composition), fine arts, German, history, Latin, manual training, mathematics, philosophy, physical training, physics, psychology, and Romance Languages.

Each course consisted of thirty lectures or other exercises, or their equivalent in laboratory or field work. Credit for such courses in the Summer Session as are accepted by the several Faculties of the University in partial fulfilment of the requirements for degrees or for teachers' diplomas, may only be claimed by those who sustained satisfactorily the examination at the conclusion of the course.

The tuition fee for the Summer Session is $25, covering not to exceed two courses of instruction, which is the limit allowed by the regulations.

The usual matriculation fee of $5 is charged to all students who join the University for the first time at the Summer Session. The Gymnasium fee of $5, including the use of the gymnasium, a private locker, and the privilege of the swimming pool, is required of all students who take the practice course in physical training, or who make use of the swimming pool, but is optional for all others.

The Summer Session is open to men and women on equal terms.

For the Announcement of the Summer Session of 1902, which will open on July 7, and offer a wide range of courses, or for information regarding dormitory accommodations, or board and lodging, address Director of the Summer Session, Columbia University, New York.

## REGISTER OF STUDENTS

ABBOTT, JULIA LOUISE.....Charlotte, N. C.....419 West 118th Street
Roanoke College, A.B., 1895.
Columbia University (Summer Session, 1900).
Teacher, English, Elizabeth College, Charlotte, N. C.
*English.*

ABBOTT, MARY.....63 East 121st Street
Normal College, New York City, 1878.
Teacher, P. S. No. 6, New York City.
*Philosophy, Psychology.*

ACH, ISIDORE LOUIS.....82 Ogden Avenue, Jersey City, N. J.
Training School, Jersey City, N. J., 1894.
Columbia University (Summer Session, 1900).
Teacher, P. S. No. 3, New York City.
*German, Psychology.*

AGATE, FREDERIC JOSEPH.....117th Street and Amsterdam Avenue
Student, Columbia University, 2 years.
*English, History.*

AGNEW, THOMAS, JR.....Bloomfield, N. J.
State Normal School, New Paltz, N. Y., 1898.
Principal, P. S. No. 8, Bloomfield, N. J.
*English, Manual Training, Physical Training.*

AHLERS, MAGDALENE.....Brooklyn, N. Y.....419 West 118th Street
Training School for Teachers, Brooklyn, 1894.
Teacher, P. S. No. 43, Brooklyn.
*Education, Physical Training.*

AHRENSBEUMER, HÉLÈNE.....180 Alexander Avenue
Normal College, New York City, 1877.
Teacher, P. S. No. 173, New York City.
*Education, Psychology.*

AITKEN, GEORGE JEFFREY.....Belmont, Scotland.....60 West 93d Street
University of Glasgow, A.M., 1895.
Technical College, Glasgow, 1901.
Teacher, Hillhead High School, Glasgow.

ALDEN, MRS. AMELIA DALEY.....West New Brighton, N. Y.
New York State Normal School, 1868.
School of Pedagogy, New York, 1888–89.
Vice-Principal, Westerleigh Collegiate Institute.
*Education.*

ALEXANDER, MARY C.....Philadelphia, Pa.....128 Broadway
Packer Institute, Brooklyn.
*English, History.*

ALLEN, LAURA ELIZABETH.....Rockdale, Texas.....236 West 44th Street
Baylor University, Texas, 1 year.
Teacher, P. S. No. 8, New York City.
*Education, History.*

ALLEN, MARY AMANDA.....158 West 106th Street
Cortland Normal School, N. Y., 3 years.
Teacher, Randall's Island School, N. Y.
*Education, Mathematics.*

ALLYN, LUCY ELEANOR.....Black Hall, Conn.....Fiske Hall, Barnard College
Mt. Holyoke College, A.B., 1894.
Teacher, Public Schools, Hartford, Conn.
*Education, History.*

ALTSCHUL, CLARA.....331 East 68th Street
Normal College, New York City, 2 years.
Ethical Culture, Kindergarten Normal, 1 year.
Teacher, Private School.
*Education, English.*

AMBROSE, KATE.....665 Lexington Avenue
St. Mary's Academy, Staten Island.
Teacher, P. S. No. 168, New York City.
*Education, English.*

AMBROSE, MADGE.....665 Lexington Avenue
Brooklyn High School, 1879.
Columbia University (Summer Session, 1900).
Teacher, P. S. No. 168, New York City.
*Education.*

ANDREWS, ESTHER A.....309 South Second Avenue, Mount Vernon, N. Y.
Oswego Training School, N. Y.
Principal, Private School, Mt. Vernon, N. Y.
*Education, Psychology.*

ARMAND, LOUIS JULES.....550 West 149th Street
Art Student League, 1891.
National Academy Design, 1901.
*English.*

ASHCROFT, CARRIE VAN RENSELLAER..St. Louis, Mo..Army Building, Whitehall Street
Normal School, St. Louis, Mo., 1887.
Teacher, Elocution and Gymnastics, Private Schools, St. Louis, Mo.
*English.*

ATKINSON, ANNIE MADELEINE.....236 West 130th Street
Normal College, New York City, 1874.
Columbia University (Summer Session, 1900).
Teachers College, 1 year.
Teacher, P. S. No. 103, New York City.
*English, Education.*

ATKINSON, MADELEINE DALTON.....236 West 130th Street
Normal College, New York City, 1900.
Assistant Teacher, P. S. No. 157, New York City.
*Mathematics.*

AYER, JENNIE JAMES.....37 Cambridge Place, Brooklyn, N. Y.
Teacher, Adelphi Academy, Brooklyn, N. Y.
*Education.*

BACON, MARGARET ELLEN.....347 East 19th Street
Normal College, New York City, 1881.
New York University, 3 years.
Assistant Teacher, P. S. No. 19, New York City.
*Education.*

BADGLEY, IDA JANE.....163 South 9th Street, Brooklyn, N. Y.
Yates Academy, Chittenango, 1883.
Teacher, P. S. No. 126, Brooklyn, N. Y.
*English, Psychology.*

BALDWIN, ARTHUR POND.....370 Macon Street, Brooklyn, N. Y.
College of the City of New York, A.B., 1876; A.M., 1901.
Columbia University (Summer Session, 1900).
*German, Mathematics.*

BARKER, STEPHEN.....339 West 71st Street
Student, Columbia College, 4 years.
*English, History.*

BARRINGTON, JENNIE.....212 East 35th Street
Normal College, New York City, 1880.
Columbia University (Summer Session, 1900).
Teacher, P. S. No. 40, New York City.
*Education, English.*

BARRINGTON, SARAH.....212 East 35th Street
Normal College, New York City, 1875.
Columbia University (Summer Session, 1900).
Teacher, P. S. No. 35, New York City.
*Education, English.*

BARROWS, ALFRED EDWARD.....Hastings, Nebraska.....41 East 69th Street
Hastings College, A.B., 1897.
Union Theological Seminary.
Tutor, Syrian Protestant College, Beyrout, Syria, Asia.
*Education.*

BAUER, MRS. ANNA G.....328 West 113th Street
Normal College, Hanover, Germany, 1878.
New York University, 3 years.
Acting Principal, P. S. No. 54, New York City.
*Education, English.*

BAXTER, ROSA JACKSON.....Springfield, Missouri.....417 West 118th Street
Ash Grove College, B.L., 1887.
Supervisor, Grammar Department, State Normal Training School, Warrensburg, Mo.
*Education, Fine Arts.*

BEAVERS, EMMA SHEPARD.....121 William Street, East Orange, N. J.
State Model School, N. J.
State Normal School, N. J., 3 years.
Teacher, P. S., N. J.
*Education, Mathematics.*

BEBOUT, EDWIN.....Westwood, N. J.
State Normal School, Trenton, N. J., 1894.
Principal, Lincoln High School, Westwood, N. J.
*Education, English.*

BECK, ERICH C. A.....37 East 31st Street
Cornell Medical College.
Student, Columbia University, 1 year.
*Physics.*

BEIDERHASE, AGNES LOUISE.....704 West End Avenue
Jersey City High School, 1880.
Jersey City Training School, 1880.
Teacher, Young Women's Christian Association, New York City.
*English.*

BEIDERHASE, JOSEPHINE.....704 West End Avenue
Jersey City High School, 1881.
Jersey City Training School, 1881.
Anderson Normal School of Gymnastics, 1891.
Teacher, Physical Training, Wadleigh High School, New York City.
*Education.*

BELCHER, KATHERINE FISCHER.....East Orange, N. J.
Vassar College, A. B., 1898.
Teacher, History, Newark High School, N. J.
*Education.*

BELLOWS, RUSSELL H.....606 West 113th Street
Union College, Schenectady, N. Y., 3 years.
State Normal College, N. Y., 1893.
Teachers College, 1 year
*Education, Psychology.*

BENNET, MRS. LYDIA ANNE..Leonia, N. J..124 N. Maple Avenue, East Orange, N. J.
Glens Falls Summer School, 1897.
Principal, Public School, Leonia Heights, N. J.
*Education*

BENNETT, LELIA MARIA.....750 Wendover Avenue
State Normal College, Albany, N. Y., 1892.
Teacher, P. S. No. 154, New York City.
*Education.*

BERGAMINI, RACHEL.....55 West 9th Street
Normal College, New York City, 1882.
Student, Teachers College, 4 years.
Columbia University (Summer Session, 1900).
Teacher, English, Wadleigh High School, New York City.
*English.*

BERGER, ANNETTE.....1772 Madison Avenue
Normal College, New York City, 1888.
Assistant Teacher, P. S. No. 157, New York City.
*Psychology.*

BERGER, IDA.....1772 Madison Avenue
Normal College, New York City, 1887.
Assistant Teacher, P. S. No. 89, New York City.
*Psychology.*

BERGER, LOUISE MARY.....1772 Madison Avenue
Normal College, New York City, 1878.
Assistant Teacher, P. S. No. 43, New York City.
*Psychology.*

BLACKFORD, GAY ROBERTSON.....East Orange, N. J.....412 West 115th Street
Student, Teachers College, 1 year.
*Education.*

BLACKMAN, MARION E.....271 Dean Street, Brooklyn, N. Y.
Girls' High School, Brooklyn, N. Y., 1896.
Training School for Teachers, Brooklyn, N. Y., 1897.
Teacher, P. S. No. 82, Brooklyn, N. Y.
*Education, History.*

BLAN, FANNY ABIGAIL.....Port Richmond, Staten Island
New York College Pharmacy, Ph.G., 1899.
*Physics.*

BOLDUAN, CHARLOTTE EMILIE.....226 Glenmore Ave., Brooklyn, N. Y.
Fiske Hall, Barnard College.
Training School for Teachers, Brooklyn, N. Y., 1890.
Teacher, Training School for Teachers, Brooklyn, N. Y.
*Education, Mathematics.*

BOLLENHAGEN, MARIE THEODORE.....Brooklyn, N. Y....419 West 118th Street
Normal School, Hoboken, N. J., 1879.
Columbia University (Summer Session, 1900).
Teacher, P. S. No. 72, Brooklyn, N. Y.
*Education, Philosophy, Psychology.*

BOOTH, CATHARINE AUGUSTA.....217 Gates Avenue, Brooklyn, N. Y.
Training School for Teachers, Brooklyn, 1889.
Cooper Union, New York City, B.S., 1894.
Teacher, P. S. No. 1, Brooklyn, N. Y.
*Psychology.*

BOSTWICK, HELEN MAR.....1333 Pacific Street, Brooklyn, N. Y.
Girls' High School, Brooklyn, N. Y., 1885.
Columbia University (Summer Session, 1900).
Teacher, P. S. No. 35, Brooklyn, N. Y.
*Education.*

BOSWORTH, MARGUERITE BLANCHE.....111 West 115th Street
Miss Hunter's School, Binghamton, N. Y., 1893.
Teacher, Kindergarten, Training School for Teachers, New York City.
*Education.*

BOSWORTH, MELINA AMANDA..Trenton, N. J.....Fiske Hall, Barnard College
Ripley Female College, Poultney, Vt., A.B., 1869.
Columbia University (Summer Session, 1900).
Teacher, History and Literature, Model School, Trenton, N. J
*Education, History.*

BOUGHTON, WILLIS.....82 East 18th Street, Brooklyn, N. Y.
University of Michigan, A.B., 1881.
Dickinson College, A.M., 1891.
Ohio University, Ph.D., 1900.
Teacher, English, Erasmus Hall High School, Brooklyn, N. Y.
*Education, Psychology.*

BOYER, SADIE.....Springville, Utah.....59 West 46th Street
University of Utah, 2 years.
Teacher, Public Schools, Springville, Utah.
*Education.*

BRACE, CHARLES TALCOTT.....Richmond Hill, L. I.
Cornell University, B.S., 1890.
Instructor, Science, Commercial High School, Brooklyn, N. Y.
*Education, Physics.*

BRADBURY, ANNA WHITNEY.....Montreal, Canada.....Fiske Hall, Barnard College
Minnesota High School.
*English, Fine Arts.*

BRADLEY, ELVINA MARIE.....324 East 124th Street
Normal College, New York City, 1876.
Principal's Assistant, P. S. No. 168, New York City.
*Education, English.*

BRAUTIGAM, AGNES.....170 West 83d Street
Normal College, New York City, 1891.
Teacher, P. S. No. 10, New York City.
*Psychology.*

BRAUTIGAM, IDA MARGARET.....170 West 83d Street
Normal College, New York City, 1887.
Teacher, P. S. No. 95, New York City.
*Psychology.*

BRAY, WASHINGTON IRVING.....Cliffside, N. J.
State Normal School, Albany, N. Y., 1889.
Columbia University (Summer Session, 1900).
Principal, Public Schools, Cliffside, N. J.
*Education.*

BRIDGMAN, ANNE TOWNSEND.....Fiske Hall, Barnard College
Student, Barnard College, 2 years.
Student, Teachers College, 1 year.
*English.*

BRISBANE, JAMES.....215 Weirfield Street, Brooklyn, N. Y.
Oneonta State Normal School, N. Y., 1896.
Teacher, P. S. No. 68, Queens Borough, New York City.
*Education, Psychology.*

BRONTE, EVELINA.....608 Mott Avenue
Pensionnate Usener, Wiesbaden, Germany, 2 years.
Teacher, Industrial Corporate Schools, New York City.
*Education, German.*

BROWER, JOSEPHINE.....St. Cloud, Minn.....Fiske Hall, Barnard College
St. Cloud Normal School, Minn., 1887.
Teacher, P. S., Minneapolis.
*English, Fine Arts.*

BROWN, ALICE MAUD.....371 Fourth Street, Brooklyn, N. Y.
Brooklyn High School, 1881.
Teacher, P. S. No. 108, Brooklyn, N. Y.
*Education, Physics.*

BROWN, ARTIMAS RIGGS.....Brighton, Md.....419 West 118th Street
State Normal School, Maryland, 1900.
Instructor, Rockville High School, Md.
*Manual Training.*

BROWN, REGINALD WILLIAM.....Pittsburg, Pa.....414 West 118th Street
Academy of New Church, Pa., B.A., 1897; B.Th., 1899.
Head Master, Church School, Pittsburg, Pa.
*Education.*

BRUCE, LAURA LOUISE.....Washington, D. C.....Fiske Hall, Barnard College
Howard University, 1901.
Instructor, Howard University.
*Education, English.*

BUBSER, ANNA AUGUSTA.....Hartford, Conn.....417 West 118th Street
Hartford Public High School.
New Britain Normal School, 2 years.
Teacher, Wadsworth St. School, Hartford, Conn.
*Education, Manual Training.*

BUELL, MARY ETTE.....181 Berkeley Place, Brooklyn, N. Y.
Normal School, Albany, N. Y., 1883.
Teacher, P. S. No. 9, Brooklyn, N. Y.
*Education.*

BUFFUM, VOYLING WILDER.....Winchester, N. H.....Dobbs Ferry, N. Y.
Wellesley College, A.B., 1887.
Principal, High School, Winchester, N. H.
*Education, Fine Arts, Mathematics.*

CAPPERATA, FANNY.....110 Washington Place
Normal College, New York City, 1878.
Instructor, P. S. No. 7, New York City.
Principal, Evening School No. 80, New York City.
*History, Psychology.*

CALDWELL, GEORGINE MATILDA WEST.....Clifton, N. Y.
Nassau Institute, 3 years.
*English, Spanish.*

CALKINS, CLARA CONANT.....Brooklyn, N. Y.....Fiske Hall, Barnard College
Packer College Institute, 1876.
University of New York.
Instructor, Girls' High School, Brooklyn, N. Y.
*Education, Psychology.*

CAMERON, ILONA.....Troy, Alabama.....417 West 118th Street
State Normal College, Troy, Ala., Ph.B., 1897.
Principal, Intermediate Dept. of State Normal College, Troy, Ala.
*Education.*

CANNON, HELEN TEN BROECKE.....Kansas City, Mo.....New Brunswick, N. J.
Kansas City High School, 1895.
Teacher, Public School, Kansas City, Mo.
*History, Physical Training.*

CANTRELL, MARY J.....860 East 134th Street
Normal College, New York City, 1878.
New York University, 1 year.
Teacher, P. S. No. 70, New York City.
*Education, Psychology.*

CARR, JOSEPH WILLIAM.....Fayetteville, Ark.....61 East 91st Street
*French, Spanish.*

CASE, LESLIE VERNE.....Naples, N. Y.....281 West 119th Street
State Normal School, Geneseo, N. Y., 1897.
Columbia University (Summer Session, 1900).
*Fine Arts, German, Mathematics, Physical Training, Physics.*

CAZIN, ADELE.....1108 Bloomfield Street, Hoboken, N. J.
New Jersey State Normal School, 1896.
Student, Teachers College, 1900–1901.
Teacher, High School, Hoboken, N. J.
*Education, Physical Training, Physics.*

CHATFIELD, GEORGE HERBERT.....19 West 106th Street
Newburgh Free Academy, 1890.
New Paltz Normal, 1892.
Instructor, P. S. No. 69, New York City.
*History, Mathematics.*

CLAPP, LELIA FLORENCE.....St. Louis, Mo.....417 West 118th Street
Mary Institute, St. Louis, Mo., 1877.
Teacher of Sloyd, Phillips School, St. Louis, Mo.
*Manual Training.*

CLARK, CORA BELLE.....Shippensburg, Pa.....Fiske Hall, Barnard College
High School, Cumberland, Pa., 1882.
Anderson Normal School of Gymnastics, 1895.
Director of Physical Training, State Normal School, Shippensburg, Pa.
*Physical Training.*

CLARK, FREDERIC BAYLIS.....249 West 54th Street
Madison School.
Student, Columbia University, 2 years.
*Mathematics.*

CLARK, GRACE L.....102 South Street, Mount Vernon, N. Y.
Lockwood Collegiate School, Mount Vernon, N. Y., 1887.
Mt. Holyoke College, 1 year.
Teacher, Private School.
*Education, Physics.*

CODY, MARGARET.....Chicago, Ill.....229 East 18th Street
Houghton Seminary, Clinton, N. Y., 1888.
Teacher, P. S. No. 6, Borough of Queens, New York City.
*Education, English.*

COHEN, HELEN LOUISE.....9 West 91st Street
Student, Barnard College, 2 years.
*Psychology.*

COLE, LAWRENCE WOOSTER.....Norman, Oklahoma.....520 West 123d Street
S. W. Kansas College, B.P., 1893.
University of Oklahoma, A.B., 1899.
Instructor, Psychology, University of Oklahoma.
*Education, Psychology.*

COLEMAN, SAMUEL FREDERICK.....320 West 37th Street
College of the City of New York, B.S., 1898.
Instructor of Shopwork, P. S.'s Nos. 11 and 80, New York City.
*Education, Fine Arts, Manual Training.*

COLIE, DAYTON.....East Orange, N. J.
Student, Columbia College, 2 years.
*German, Psychology.*

COLIE, EDWARD MARTIN, JR.....East Orange, N. J.....614 West 113th Street
Student, Columbia College, 3 years.
*Philosophy.*

COLLEY, KATHLEEN..Washington, Ga.....144 Quincy Street, Brooklyn, N. Y.
Washington Seminary, Atlanta, Georgia, 1898.
Assistant Teacher, Washington Seminary, Atlanta, Ga.
*Education, English.*

COLLINS, EVELYN LAWRENCE.....598½ Lorimer Street, Brooklyn, N. Y.
Student, Teachers College, 1 year.
Teacher, Settlement Schools, New York City
*Education, Manual Training.*

COLTON, MARY ELIZABETH..Poughkeepsie, N. Y..24 Colonial Pl., New Rochelle, N. Y.
High School, Poughkeepsie, N. Y., 1882.
Teacher, Public School, Poughkeepsie, N. Y.
*Education.*

COMMANDER, EDITH KINGSMILL.....Toledo, Ohio.....111 West 115th Street
St. Mary's Collegiate Institute, Canada, 1888.
Toronto Normal, Canada, 1891.
Teacher, P. S., Toledo, Ohio.
*Education, English, Fine Arts.*

CONNOLLY, ANNA ELIZABETH.....119 East 28th Street
Normal College, New York City, 1876.
Assistant Teacher, P. S. No. 70, New York City.
*Psychology.*

CONNOR, MATTHEW PAUL.....Brooklyn, N. Y.....Ardsley, N. Y. City
Normal School, Oswego, N. Y., 1888.
Teacher, Eastern District High School, Brooklyn, N. Y.
*Mathematics.*

CONTESSA, CAROLENE LOUISE.....241 William Street, East Orange, N. J.
West Hoboken High School, 1886.
Instructor, St. Johnland School, L. I.
*French.*

CONVERSE, FRANKLIN E.....Beloit, Wis.....46 West 83d Street
University of Michigan, B.L., 1888.
Superintendent, City Schools, Beloit, Wis.
*Education.*

COOK, LOUISE.....530 Hancock Street, Brooklyn, N. Y.
Wellesley College, B.S., 1894.
Columbia University (Summer Session, 1900).
*Education, Philosophy.*

COOK, RALPH VICTOR.....Washington, D.C.....262 West 40th Street
Cornell University, M.E., 1898.
Teacher in Baltimore High and Technical Schools.
*Education, Manual Training.*

COOKE, WILLIAM WILSON.....Orangeburg, S. C.....684 East 165th Street
Claflin University, Orangeburg, S. C., 1893.
Director, Manual Arts and Architectural Drawing, Claflin University, Orangeburg, S. C.
*Fine Arts, Manual Training, Philosophy.*

COOLEY, ROSSA BELLE....Poughkeepsie, N. Y.....Fiske Hall, Barnard College
Lyndon Hall.
Vassar College, A.B., 1893.
Teacher, Hampton Institute, Va.
*Education, Psychology.*

COOPER, ANNA DAVIS.....Westfield, N. J.
Plainfield High School, N. J., 1879.
New York School of Expression, 1896
Teacher of Expression, Macon, Ga.
*English, Physical Training.*

COOPER, CHARLOTTE BROWN.....Louisville, Kentucky
Hampton College, 1890.
Louisville High School, 1 year.
St. Mary's School, Illinois.
Teacher, St. Mary's School, Knoxville, Ill.
*English, Mathematics.*

COWART, MABEL.....Troy, Alabama.....417 West 118th Street
State Normal College, Troy, Ala., B.Ped., 1898.
Principal, Elementary Dept., State Normal College, Troy, Ala.
*Education.*

COYTE, FLORENCE ERNESTINE.....Newark, N. J.
New Jersey State Normal School, 1889.
Teacher, P. S., Glen Ridge, N. J.
*Physical Training.*

COYTE, JENNIE MEAD.....Newark, N. J.
New Jersey State Normal School, 1900.
Teacher, Physical Culture, Public School, West Orange.
*Physical Training.*

CRAFT, ANNA WEEKES.....Glen Cove, N. Y.
Student, Teachers College, 1 year.
Teacher of Drawing, Newtown High School, Borough of Queens, New York City.
*French, Spanish.*

CRAIG, ARTHUR ULYSSES.....Washington, D.C.
Kansas State University, B.S., 1895.
Instructor, Manual Training, Washington, D.C.
*Education, Manual Training, Psychology.*

CRANE, WILLIAM ALBERT.....Stapleton, N. Y.
Assistant Principal, High School, Stapleton, N. Y.
*Education, Philosophy, Psychology.*

CREGAN, LAURA ANGELA.....174 Hall Street, Brooklyn, N. Y.
New York University, 1 year.
Teacher, P. S. No. 177, New York City.
*Education, English.*

CRENNAN, MARGARET ANN.....221 East 35th Street
Normal College, New York City, 1900.
Teacher, P. S. No. 27, New York City.
*Education, Mathematics.*

CULLEN, WINIFRED TERESA.....Brooklyn, N. Y.....530 West 123d Street
Training College, Liverpool, Eng., 1885.
Columbia University (Summer Session, 1900).
Teacher, P. S. No. 102, Brooklyn, N. Y.
*English, Physical Training.*

CUMMINGS, MARY MARGARET.....308 East 58th Street
Normal College, New York City, 1877.
Teacher P. S. No. 30, New York City.
*Education, Philosophy, Psychology.*

CUNNINGHAM, ANNIE ELIZABETH.....322 East 18th Street
Normal College, New York City, 1881.
General Assistant, P. S. No. 160, New York City.
*Education, History.*

CURRY, EMILY CHRISTINE.....22 Pearson Street, Long Island City
Brooklyn High School, 3 years.
Long Island City High School, 1889.
Head of Department, P. S. No. 6, Long Island City.
*Education, History, Psychology.*

DALTON, ELIZABETH.....149 Clinton Avenue, Jersey City, N. J.
High and Training School, Jersey City, N. J., 1888.
Vice-Principal, P. S. No. 22, Jersey City.
*Education, English.*

DALY, WILFRID AUGUSTINE.....Yonkers, N. Y.....54 Wall Street
Student, Columbia University, 1 year.
*Mathematics.*

DAVIDSON, BESSIE.....Waco, Texas.....174 East 70th Street
Waco High School, 1896.
Teacher, P. S., Waco, 6th District, Texas.
*English, Latin.*

DE FOREST, JEAN LOUISE.....Gordonhurst, N. J.....417 West 118th Street
Wesleyan University, Ph.B., 1896.
*English.*

DE LIGARDE, FRANCES FREDERICA.....838 East 163d Street
Normal College, New York City, 1884.
Teacher, P. S. No. 154, New York City.
*Education.*

DOERING, ANNA CLARA.....109 East 100th Street
Berlin Normal College, 1884.
Teacher, P. S. No. 88, New York City.
Teacher, Evening P. S. No. 113, New York City.
*Education, English.*

DOHERTY, ELIZABETH FRANCES.....226 East 78th Street
Normal College, New York City, 1875.
Teacher, P. S. No. 147, New York City.
*Education, German.*

DONOHUE, MRS. MARY CUDDIHY.....Oceanus, Long Island
Normal College, New York City, 1887.
New York University, 2 years.
Teacher, P. S. No. 82, New York City.
*Education, English.*

DONOHUE, THOMAS MARTIN.....1126 East 156th Street
College of the City of New York, B.S., 1894.
New York University, 1900.
Assistant, P. S. No. 87, New York City.
*Education, English.*

DORN, SERENA.....1879 Lexington Avenue
Normal College, New York City, 1879.
New York University, 2 years.
Assistant Principal, P. S. No. 96, New York City.
*Philosophy, Psychology.*

DOSTER, JAMES JARVIS.....Troy, Ala.....417 West 118th Street
Troy, Ala., Normal College, 1 year.
Principal of High School, Troy Normal College.
*Education.*

DOUGLAS, AGNES.....West Chester, New York City
Common Schools, Private Instruction.
Teacher, P. S. No. 97, West Chester, New York City.
*Education.*

DOURLOO, WILHEMINE HENRIETTA.....427 Nostrand Avenue, Brooklyn, N. Y.
Wellesley College, 2 years.
University of Chicago, Summer School, 1893, 1896.
University of New York, 1 year.
Instructor in Girls' High School, Brooklyn, N. Y.
*Education, Psychology.*

DOYLE, GERTRUDE M.....159 Putnam Avenue, Brooklyn, N. Y.
Normal College, New York City, 1888.
Teacher, P. S. No. 122, New York City.
*Philosophy.*

DOYLE, JULIA ANNE.....Brooklyn, N. Y.....526 West 123d Street
Normal College, New York City, 1876.
Brooklyn Teachers' Association, 1898.
Teacher, P. S. No. 73, Brooklyn, N. Y.
*Education, English.*

DRINKER, FLORENCE LOUISA.....Brooklyn, N. Y.....419 West 118th Street
Common School.
*Education, Manual Training.*

DRISCOLL, JAMES FRANCIS.....Brasher Falls, N. Y.....148 East 45th Street
Normal School, Potsdam, N. Y., 1896.
Teacher, P. S. No. 66, New York City.
*Education, Fine Arts, Philosophy.*

DUFOURCQ, RAOUL GEER.....62 West 84th Street
Student, Columbia University, 1 year.
*Mathematics.*

DUGGAN, ELLA JEANNETTE.....115 Lee Avenue, Brooklyn, N. Y.
Normal College, New York City, 1881.
Post-Graduate, Normal College, New York City, 1882.
New York University, 1895.
Teacher, P. S. No. 73, New York City.
*Education, Physics.*

DUNLOP, ANNE DENT....Richmond, Va.....27 Belmont Terrace, Yonkers, N. Y.
Richmond Female Seminary, 1893.
Teacher, Miss Ellett's School for Girls, Richmond, Va.
*Education.*

DUSENBURY, LILLIAN.....Tuxedo Park, N. Y.....Fiske Hall, Barnard College
Ingham University, 2 years.
Teacher, Private School, Tuxedo Park, N. Y.
*Education, Mathematics.*

DWIGHT, MARTHA GRACE.....Stafford Springs, Conn.....417 West 118th Street
Norwich Free Academy, 3 years.
Connecticut State Normal, Willimantic, Conn., 1895.
Supervisor, Art and Manual Work, South District, Hartford, Conn.
*Manual Training, Fine Arts.*

EARL, ANITA M.....118 West 130th Street
Normal College, New York City, 1895; Post-graduate, 1896.
*Psychology.*

EARLE, EDWIN LYELL.....58 Manhattan Avenue
St. Paul's, Pittsburg, 1885.
Sacred Heart, Louisville, 1888.
St. Joseph's, Baltimore, 1890.
St. Michael's, West Hoboken, 1894.
Instructor, Drisler School, New York City
*Education, Psychology.*

EDWARDS, CHARLES FREDERICK.....318 West 121st Street
Royal Military School, Chelsea, England, 6 years.
Columbia University (Summer Session, 1900).
*German, Physics.*

EHMER, MARIE MARGOT.....97 Second Place, Brooklyn, N. Y.
Training School for Teachers, Brooklyn, N. Y., 1891.
Teacher, P. S. No. 13, Brooklyn, N. Y.
*History.*

EICHE, JULIA L.....446 East 85th Street
New York Normal College, 2 years.
New York University, 1898.
Teacher, P. S. No. 53, New York City.
*Education, Philosophy, Psychology.*

ELKEMA, MARGUERITE.....309 West 128th Street
Normal College, New York City, 1889.
Teacher, P. S. No. 72, New York City.
*Education, English.*

ENNIS, ISABELLE ALGEIRA.....Brooklyn, N. Y.....544 West 113th Street
Adelphi College, 3 years.
Teacher, P. S. No. 27, Brooklyn, N. Y.
*Education, Philosophy.*

EVANS, DANIEL BUDD.....Rockaway, N. J....144 Decatur St., Brooklyn, N. Y.
Morris Academy, 1896.
Supervisor, Rockaway Schools, N. J.
*Education, Psychology.*

FARRELL, ELIZABETH E.....Flushing, N. Y.
State Normal School, Oswego, N. Y., 1895.
Student, Teachers College, 1 year.
*English.*

FARRINGTON, FREDERIC ERNEST.....503 West 124th Street
Harvard University, A.B., 1894.
Student, Columbia University (Teachers College), 2 years; (Summer Session, 1900).
*Mathematics, Psychology.*

FAY, MAMIE.....Hillside Avenue, Corona, L. I.
Flushing High School, 1889
New York University, 1 year.
Teacher, P. S No. 78, Borough of Queens, New York City.
*History, Philosophy, Psychology.*

FINLEY, ISABEL SUSAN.....167 East 83d Street
Normal College, New York City, 2 years.
Teachers College, 3 years.
Teacher, P. S. No. 6, New York City.
*Psychology.*

FINNEGAN, MICHAEL VINCENT.....324 West 17th Street
St. Francis Xavier N. Y., A.M., 1900.
Teacher, P. S. No. 29, New York City.
*Education, Latin.*

FINNEY, MARY CLAIRE.....Woodmont, Conn.....419 West 118th Street
Girls' High School, Brooklyn, 1 year.
Teacher, P. S. No. 25, Brooklyn, N. Y
*Education, English.*

FITCH, JAMES HENRY ARTHUR.....708 East 139th Street
Cooper Institute.
Teacher, P. S. No. 43, New York City.
*Education.*

FITCH, RUSSEL MARTIN.....South Amboy, N. J.
Fredonia State Normal, 1888.
Pennsylvania State Normal, 2 years.
Supervising Principal, Public Schools, South Amboy, N. J.
*Education, German, Physics.*

FITZGERALD, JOSEPH.....Scarsdale, N. Y.
Wesleyan University, Ph.B., 1892.
Teacher, P. S. No. 100, New York City.
*Philosophy, Psychology.*

FLEMING, ELIZABETH.....River Falls, Wisconsin.....102 West 57th Street
Lake Forest University, 1888.
Director, Grammar Dept., State Normal School, River Falls, Wis.
*History.*

FORD, ELLEN VERONICA.....368 Gold Street, Brooklyn, N. Y.
Nativity Academy, Brooklyn, N. Y.
Teacher, P. S. No. 5, Brooklyn, N. Y.
*Education, English.*

FORSTER, ISABELLE.....Jersey City, N. J.....101 Lawrence Street
High and Training School, Jersey City, 1889.
Teacher, P. S. No. 8, Jersey City, N. J.
*Mathematics.*

FOSTER, HAROLD ERNEST.....269 West 134th Street
Williams College, A.B., 1895.
Teacher, Peter Cooper High School, New York City.
*Education, English.*

FOSTER, WALTER EUGENE.....269 West 134th Street
Williams College, A.B., 1899.
Instructor, Peter Cooper High School, New York City.
*English, Latin.*

FOUNTAIN, EDITH.....West New Brighton, N. Y.
State Normal School, New Paltz, N. Y., 1897.
Teacher, P. S. No. 20, Port Richmond, N. Y.
*Education, Psychology.*

FOWLER, JESSIE ALLEN.....27 East 21st Street
Women's School of Medicine, Lincoln, England, 1886.
New York University, 1900.
Instructor, American Institute of Phrenology, New York City.
*Education, Psychology.*

FOX, WILLIS ALFRED....Albion, Ind., 101 Walnut St., Newark, N. J., c. o. A. T. Sweeney
Michigan Agricultural College, B.S., 1891.
Superintendent, City Schools, Albion, Ind.
*Education, Psychology.*

FRAWLEY, MARY E.....180 East 95th Street
Normal College, New York City, 1884.
Teacher, P. S. No. 109, New York City.
*Philosophy, Psychology.*

FREED, ROSE.....1637 Madison Avenue
Hebrew Technical School, 1897.
Teacher, Hebrew Technical School for Girls, New York City.
*Education, Fine Arts, History.*

FREEMAN, ELLA JOSEPHINE.....2011 Madison Avenue
St. Mary's School, 1870.
Teacher in Lyndon Hall, Poughkeepsie, N. Y.
*History.*

FRENZEN, WILHELM.....241 North High Street, Mount Vernon, N. Y.
Union Theological Seminary, 1897.
*Education, Philosophy.*

FRENZEN, MRS. WILHELM.....241 North High Street, Mount Vernon, N. Y.
Bielefelder Hohere Töchterschule, 1889.
*French, Manual Training.*

FRIED, MICHAEL.....Pittsburg, Pa.
Jewish Theological Seminary, New York City, 1899.
Columbia University (Summer Session, 1900).
Minister, "Tree of Life" Congregation, Pittsburg, Pa.
*English, German, Philosophy.*

FRIEDMAN, ELLA.....148 West 94th Street
Student, Teachers College, 1 year.
*Education, Fine Arts.*

FRISBEE, HARRY DUBOIS.....1340 Fulton Avenue
New York City College, A.B., 1891.
Columbia University, E. E., 1894.
Assistant, P. S. No. 61, Bronx Borough, New York City
*Education, Physical Training*

FUERST, SIDNEY MARSDEN.....520 West 123d Street
Columbia University, A.B., 1901.
Teacher, P. S. No. 16, New York City.
*English, Psychology.*

FULLICK, ELIZABETH.....164 St. Nicholas Avenue
Vassar College, A.B., 1878.
Instructor, Wellesley, Mass.
*Fine Arts.*

GAMBIER, LOUISE MARC.....64 East 93d Street
Normal College, New York City, 1886.
Teacher of French and Drawing, Weingarten Institute, New York City.
*English, French, History.*

GAMBRALL, LOUISA BIRCKHEAD....Baltimore, Md.....Fiske Hall, Barnard College
Womans' College of Baltimore, B.A., 1900.
Private Teaching.
*Education.*

GARDNER, CATHERINE.....Troy, Alabama.....714 West 118th Street
Washington Seminary, Ga., 1888.
Normal School, Chicago, Ill., 1889.
Teacher, State Normal College, Troy, Ala.
*Education.*

GAVIN, EMILY GRACE.....829 Seventh Avenue
Chestin High School, New York City, 1892.
Assistant, P. S. No. 20, New York City.
*Education, English.*

GEORGE, ALMINA.....Minneapolis, Minn.....417 West 118th Street
Normal School, Oswego, N. Y., 1898.
Supervisor of Training School, State Normal, Warrensburg, Mo.
*Education, Fine Arts, Philosophy, Psychology.*

GERHARD, WALTON.....Camden, N. J.
Franklin Institute, Philadelphia, Pa.
*Education, Manual Training, Psychology.*

GILLILAND, ALICE MABEL.....Ballston Springs, N. Y.....600 West 114th Street
Cornell University, Ph.B., 1891.
State Normal College, Albany, N. Y., Pd.B., 1892.
Teacher of History, University of South Dakota.
*Education, Mathematics.*

GLANTON, LOUISE PHILLIPS.....Newnan, Ga.....530 West 123d Street
Shorter College, Rowe, Ga., 1889.
*English, Mathematics.*

GLASBY, HERBERT STITES.....Newark, N. J.
Student, Columbia University, 2 years.
*Mathematics.*

GLÜCK, EMIL.....116 West 116th Street
New York City College, A.B., 1896.
Student, Columbia University, 1 year.
*English, Psychology.*

GODDARD, HAROLD CLARKE.....Worcester, Mass.....530 West 123d Street
Amherst College, A.B., 1900.
Instructor in Amherst College.
*English.*

GOLDIE, SARAH.....13 East 127th Street
Normal College, New York City, 1879.
Teacher, P. S. No. 25, New York City.
*Education.*

GORDON, MARY LAVINIA.....206 West 69th Street
Normal College, New York City, 1877.
Principal, P. S. No. 87, Male Department; Evening School No. 13, New York City.
*Education, English.*

GRAHAM, CATHERINE LOUISE.....St. Helena, Cal.....214 West 130th Street
Oswego Normal School, 1900.
Teacher, Yonkers, N. Y., Public School
*Education, Manual Training*

GRANDIN, ANNIE.....504 Columbus Avenue
Southern Home School, Baltimore.
Teacher, Miss Brown's School, N. Y.
Lecturer, Sacred Heart's School.
*Education, English.*

GRAY, ANNA LIGUORIA.....Passaic, N. J.....201 West 78th Street
Brown University, Ph.B., 1899
Columbia University (Summer Session, 1900).
Teacher of English, Passaic High School, N. J.
*English.*

GREEN, JEANNIE.....Elmhurst, N. Y.
Training Class, Flushing, N. Y., 1890.
Teacher, P. S. No. 12, Borough of Queens, New York City.
*English, History.*

GREEN, MARY WOLCOTT.....West New Brighton, N. Y.....1023 Sixth Avenue
Syracuse University, A.B., 1895.
Teacher, P. S. No. 14, Borough of Richmond, New York City.
*Latin, Physics.*

GREER, SARAH.....470 West 146th Street
Normal College, New York City, 1877.
New York University, M.P., 1901.
Teacher in P. S. No. 58, New York City.
*English, History.*

GREVE, CHARLOTTE ROSALIE.....New Orleans, La.....Fiske Hall, Barnard College
Normal School, New Orleans, La., 1889.
Principal, Primary School, New Orleans, La.
*Education.*

GRICE, ETTA MAY.....Fairfield, Iowa.....693 Monroe Street, Brooklyn, N. Y.
W. Des Moines High School, 1895.
*English.*

GRIESBECK, GEORGIA MARGARETT.....2195 Seventh Avenue
State Normal College, Albany, N. Y., 1898.
Teacher, P. S. No. 73, Borough of Queens.
*Education.*

GRIFFIN, SUSAN A.....213 Clymer Street, Brooklyn, N. Y.
Normal College, New York City, 1886.
Teacher, P. S. No. 2, New York City.
*Education, English.*

GROSSENBACHER, ELSIE MARIE.....252 Van Houten Avenue, Passaic, N. J.
Normal College, New York City, A.B., 1900.
Teacher, P. S. No. 160, New York City.
*English.*

GUINZBURG, ELEANOR.....69 West 95th Street
Normal College, New York City, 1878.
Teacher, P. S. No. 165, New York City.
*English, German, History.*

GUTIERREZ, ANGEL COLINA.....Matanzas, Cuba.....358 West 118th Street
Teacher in P. S., Matanzas, Cuba.
*Manual Training.*

HAAS, ARTHUR.....539 West 141st Street
College, City of New York, A.B., 1894.
Cooper Union, 1898.
Columbia University (Summer Session, 1900).
Teacher, P. S. No. 39, New York City.
*Education, Mathematics, Physical Training.*

HAGELSTEIN, ANTONIE.....15 Harmon Street, Brooklyn, N. Y.
Training School for Teachers, Brooklyn, N. Y., 1891.
Teacher, P. S. No. 75, Brooklyn, N. Y.
*Education, German.*

HAGELSTEIN, LOTTE.....15 Harmon Street, Brooklyn, N. Y.
Training School for Teachers, Brooklyn, N. Y., 1893.
Teacher, P. S. No. 74, Brooklyn, N. Y.
*Education, German.*

HAGEN, BERTHA ANNE.....637 Decatur Street, Brooklyn, N. Y.
Brooklyn High School, 1886.
Harvard Summer School, 1898–1899.
Teacher, P. S. No. 106, Brooklyn, N. Y.
*Education, Mathematics.*

HALL, HELENA FLAVIA.....265 Ryerson Street, Brooklyn, N. Y.
High School, Brooklyn, N. Y.
Teacher, P. S. No. 76, Brooklyn, N. Y.
*Education, History.*

HALL, WILLIAM HERMAN.....Chicago, Ill.....331 West 83d Street
Union College, Ph.B., 1896.
Union College, A.M., 1901.
Associate Principal, Prep. Dept., Syrian Protestant College, Beirut, Syria.
*Education*

HALLOCK, EMMA MARIE.....578 Beechwood Avenue, Bridgeport, Conn.
Training School, Bridgeport, 1887.
Teacher in Courtland School, Bridgeport, Conn.
*Education.*

HAMBLIN, ALICE.....Minneapolis, Minn.....520 West 123d Street
Normal School, Potsdam, N. Y., 1890.
Principal, Nicollet School, Minneapolis, Minn.
*Education, Manual Training, Physical Training.*

HAMILTON, ELIZABETH MOODIE.....16 Gates Avenue, Montclair, N. J.
Normal College, New York City, 1876.
New York University, 1 year.
Teacher, P. S. No. 58, New York City.
*History, Psychology.*

HAMMETT, MARGARET MASON.....Brooklyn, N. Y.....Fiske Hall, Barnard College
Head of Department, P. S. No. 88, Brooklyn, N. Y.
*English, Philosophy, Psychology.*

HAMMOND, ANNA BINGHAM.....Amenia, N. Y.....25 East 130th Street
State Normal School, New Paltz, N. Y., 1890.
Student, Teachers College, 1 year.
*English, German.*

HANEY, JOHN DEARLING.....1233 Third Avenue
New York City College, B.S., 1893.
New York University, M.S., 1897; LL.B., 1898.
Instructor in English, Wadleigh High School, New York City.
*English, Spanish.*

HARRIS, EDWARD ELIOT.....33 West 93d Street
New York University, M.D., 1880.
*Physics, Psychology.*

HARRIS, ELIZABETH SARAH.....75 East 121st Street
Normal College, New York City, 1884.
Student, Teachers College, 1 year.
Columbia University (Summer Session, 1900).
Principal, P. S. No. 144, New York City.
*Philosophy.*

HARRISON, MARY AUGUSTA.....1324 Bushwick Avenue, Brooklyn, N. Y.
Teacher in Public Schools, Brooklyn, N. Y.
*German.*

HAVANAGH, PETER BERNARD.....571 West 183d Street
St. Francis Xavier, A.B., 1889.
New York University, LL.B., 1892.
Teacher, P. S. No. 63, New York City.
*Education.*

HAVILAND, EMMA COTHEAL.....122 West 103d Street
Normal College, New York City, 1878.
Student, Teachers College, 3 years.
Teacher, P. S. No. 85, New York City.
*Philosophy, Psychology.*

HAWTHORN, CARRIE AUGUSTA.....193 Hawthorn Street, Brooklyn, N. Y.
Rochester Free Academy, 1879.
Teacher, Girls' High School, Brooklyn, N. Y.
*Education.*

HAYES, MARY HANNAH.....226 East 118th Street
Normal College, New York City, 1879.
Columbia University (Summer Session, 1900).
Teacher, P. S. No. 21, New York City.
*Philosophy, Psychology.*

HAYNES, EARL PLACE.....Richmond Hill, N. Y.
Cornell University, A.B., 1893.
Teacher of Science, High School, Richmond Hill, N. Y.
*Education, Physics.*

HECHT, FELIX.....Carll Street, Jamaica, N. Y.
College, City of New York, B.S., 1900.
Teacher, P. S. No. 108, Brooklyn, N. Y.
*English, Fine Arts, Philosophy, Psychology.*

HEERMANS, JOSEPHINE WOODBURY.....Kansas City. Mo.....417 West 118th Street
Missouri Valley College.
Columbia University (Summer Session, 1900).
Principal, P. S., Kansas City, Mo.
*Education, Fine Arts, Philosophy.*

HEMPEL, ANNA.....24 West 61st Street
Private School, 1897.
Teacher, Children's Aid Society, New York City.
*Education.*

HENDERSON, ERNEST NORTON.....Chico, California.....417 West 118th Street
University of California, A.B., 1893; A.M., 1894; Ph.B., 1896.
Instructor, Chico State Normal School, Cal.
*Education, Psychology.*

HENWOOD, WILLIAM JORY.....2340 Seventh Avenue
New York City College, A.B., 1892.
New York University, 1 year.
Teacher, P. S. No. 61, Borough of Bronx.
*Education.*

HERRIET, HEBE ADELE.....727 East 143d Street
Normal College, New York City, 1876.
Greenport Summer School, 1898.
New York University, 1 year.
Cornell University, 1 year.
Teacher, P. S. No. 85, New York City.
*English, Psychology.*

HERRMANN, BERTHA.....66 Greenville Avenue, Jersey City, N. J.
High and Training Schools, Jersey City, N. J., 1889.
Teacher, P. S. No. 20, Jersey City.
*English, German.*

HERRMANN, HATTIE.....58 East 124th Street
Normal College, New York City, 1889.
Teacher, P. S. No. 48, New York City.
*Mathematics, Physical Training.*

HEUSER, FREDERICK WILLIAM JUSTUS.....154 Hewes Street, Brooklyn, N. Y.
Columbia College, A.B., 1901.
*Education.*

HIBBARD, DANIEL BROWN.....523 West 123d Street
Student, Columbia University, ½ year.
*Mathematics, Physics.*

HILDRETH, HELEN REBECCA.....Lockport, N. Y.....530 West 123d Street
Teachers College, 1899.
Columbia University (Summer Session, 1900).
Principal, Public School, Garden City, L. I.
*German, Physical Training.*

HILL, CORA M.....Cobleskill, N. Y.....65 West 83d Street
Wesleyan Academy, 1 year.
Albany Normal School, 1 year.
Claverack College, 1 year.
*Education, English*

HINTON, ESTELLE.....Springfield, Mo.....417 West 118th Street
St. Mary's Academy, 2 years.
Cook County Normal, 1 year.
Supervisor, Warrensburg State Normal.
*Education, Fine Arts.*

HIRSCH, BLANCHE.....944 Park Avenue
Normal College, New York City, B.S., 1901.
Columbia University (Summer Session, 1900).
Teacher, Private School, New York City.
*Education, Mathematics, Psychology.*

HIRSDANSKY, SIMON.....245 Henry Street
College of City of New York, B.S., 1899.
Teacher, P. S. No. 82, New York City.
*English, Fine Arts, Psychology.*

HOBBS, KATHERINE KEMP.....Denton, Maryland....Fiske Hall, Barnard College
Teacher, Normal School, Chestertown, Md.
*Education, Fine Arts, Psychology.*

HOBBS, ROBERTA HANDY....Denton, Maryland.....Fiske Hall, Barnard College
Baltimore Normal School, 1887.
Assistant Principal, Public Schools, Dover, Del.
*Education, English, Fine Arts.*

HODGDON, JOSEPHINE ELIZABETH.....20 Sidney Place, Brooklyn, N. Y.
New York University, Pd.M., 1890.
Columbia University (Summer Session, 1900).
Principal, P. S. No. 110, Brooklyn, N. Y.
*Philosophy, Psychology.*

HODGETTS, ABBIE SYLVIA.....1041 Macy Place
Nebraska Wesleyan University, A.B., 1896.
*English.*

HOEFLING, CAROLINE ELIZABETH.....590 East 135th Street
Normal College, New York City, 1888.
Columbia University (Summer Session, 1900).
Acting Principal, P. S. No. 153, New York City.
*Philosophy, Psychology.*

HOFER, ELIZABETH JOSEPHINE.....142 West 11th Street
Normal College, New York City, 1877.
Teacher, P. S. No. 81, New York City.
*Education.*

HOGAN, KATHERINE ELIZABETH.....179 West 76th Street
New York University, LL.B., 1893.
Columbia University (Summer Session, 1900).
Teacher, P. S. No. 58, New York City.
*Education, Philosophy.*

HOGAN, SOPHIE SHEPARD.....320 West 58th Street
New York School of Physical Culture, 1900–1901.
*Physical Training.*

HOLLAND, NINA AGNES.....Salem, Va.....Fiske Hall, Barnard College
Roanoke College, A.B., 1899; A.M., 1900.
*English.*

HOLLICK, ELEANOR ADELINE..New Brighton, N. Y.....Fiske Hall, Barnard College
Staten Island Academy, 1901.
Columbia University (Summer Session, 1900).
*English, Physical Training.*

HOLMES, SARAH WILLIAMS.....14 East 47th Street
Concord High School, 1899.
Teacher in Miss Chapin's School, New York City.
*Education.*

HOLT, JOSEPHINE WHITE.....Dillon, Mont.....Fiske Hall, Barnard College
University of Nashville, A.B., 1893.
Teacher, High School, Dillon, Mont.
*Education, English, Fine Arts.*

HOPKINS, ANNETTE BROWN....Baltimore, Md.....Fiske Hall, Barnard College
Woman's College of Baltimore, A.B., 1901.
*Education.*

HORST, MABEL LOUISE.....Newark, N. J.
Vassar College, A.B., 1900.
Teacher, Public Schools, Newark, N. J
*Education, English.*

HOWES, BESSIE EMILIE....East Dennis, Mass..Cor. Amsterdam Ave. and 117th Street
State Normal School, Bridgewater, Mass., 1879.
Principal, Training School, Bridgeport, Conn.
*Education.*

HOWLAND, DE RUYTER.....New Rochelle, N. Y.
Student, Columbia College, 1 year.
*German.*

HUBER, LINA.....475 Franklin Avenue, Brooklyn, N. Y.
Aaran Seminary, 1880.
*French, German.*

HULETT, ANNA.....Newburgh, N. Y.....862 Park Avenue
State Normal School, New Paltz, N. Y., 1901
*Manual Training, Psychology.*

HULL, ARTHUR BURR.....53 West 127th Street
Student, Columbia University, 2 years.
*Mathematics.*

HUMPHREY, OSWALD D.....Jamaica, N. Y.....524 West 123d Street
Wabash College, B.S., 1888.
Cornell University, A.M., 1891; Ph.D., 1894.
Head Science Teacher, State Normal School, Jamaica, N. Y.
*Physics.*

HUNSDON, NELSON STRADER.....Austin, Texas.....419 West 118th Street
Manual Training School, St. Louis, Mo., 1890.
Washington University, St. Louis, 3 years.
Director of Manual Training, Public Schools, Austin, Texas.
*Fine Arts, Manual Training.*

HURLEY, THOMAS LESTER.....426 West 160th Street
University, State of New York, 3 years.
Columbia University (Summer Session, 1900).
*English, History.*

HURTT, FRANCIS DUSTIN.....24 West 89th Street
College of the City of New York, 1 year.
*English, Mathematics.*

HYMAN, JULIUS.....120 East 91st Street
College of the City of New York, B.A., 1894.
Teacher, P. S. No. 7, New York City.
*English, German, Mathematics, Physical Training.*

IRVIN, CLARA.....67 West 38th Street
*Education, Psychology.*

IRVING, SYLVIA.....482 Mott Avenue
Training School for Teachers, Brooklyn, N. Y., 1896.
Teacher, P. S. No. 33, Brooklyn, N. Y.
*History.*

ISRAELI, PHINEAS.....736 Lexington Avenue
College of the City of New York, A.B., 1899.
*Latin.*

JACKSON, MARTHA.....345 Manhattan Avenue
Normal College, New York City, 1881.
Teacher, P. S. No. 9, New York City.
*Education, English.*

JASINSKY, ALICE.....173 West 99th Street
Normal College, New York City, 1888.
Teacher, P. S. No. 94, New York City.
*Philosophy, Psychology.*

JOFFE, JUDAH A. ..... 61 East 99th Street
Columbia University, A.B., 1893
*Education.*

JOHNSON, HILMA AMALIA ..... 222 West 39th Street
Normal College, New York City, 1874
Teacher, P. S. No. 20, New York City.
*Education, German.*

JOHNSTON, MARY ..... 205 West 106th Street
University of Toronto, B.A., 1893; M.A., 1895.
Normal School of Pedagogy, 1 year.
*Education, English, German.*

JOHNSTON, MILLIE ..... 361 West 34th Street
University of Toronto, 2 years.
*Education.*

JONES, ELIZABETH EDWARDS ..... 417 West 118th Street
High School, Quincy, Mass., 1887.
Teacher, the Misses Masters's School, Dobbs Ferry, N.Y.
*Education, Fine Arts.*

JONES, VIOLA ..... 42 Bay 28th Street, Brooklyn, N. Y.
Student, Erasmus Hall High School, Brooklyn, N. Y.
Columbia University (Summer Session, 1900).
*English, History, Physical Training.*

KAHN, GUSSYE ..... St. Joseph, Mo. ..... 1161 Amsterdam Avenue
High School, St. Joseph, Mo., 1896.
Missouri State University, 3 years.
Teacher of Modern Languages, Westport High School, Kansas City, Mo.
*French, German.*

KAUFFMAN, WILLIAM ALBERT ..... Port Royal, Pa. ..... 304 West 115th Street
Bucknell College, A.B., 1895; A.M., 1898.
Student, Columbia University, 1 year.
Teacher, Physics, High School, York, Pa.
*Education, Fine Arts, Physics.*

KAVANAGH, CATHERINE FRANCES ..... 37 North Portland Avenue, Brooklyn, N. Y.
High School, Brooklyn, N. Y., 1889.
Teacher, P. S. No. 76, Brooklyn, N. Y.
*Education, History.*

KEANE, MICHAEL BERNARD ..... 1708 Topping Avenue
Teacher, P. S. No. 27, New York City.
*Education, Philosophy*

KEENAN, EDNA MARY ..... Smithport, Pa. ..... 530 West 123d Street
State Normal School, Fredonia, N. Y., 1891.
Teacher, Public Schools, Bradford, Pa.
*Education.*

KELLY, BERNARD HETHERINGTON ..... Throg's Neck, New York City
New York University, B.S., 1893.
Columbia University (Summer Session, 1900).
Teacher, P. S. No. 99, New York City.
*Education, English, Philosophy.*

KELLY, MARY ELIZABETH ..... 54 Boerum Avenue, Flushing, N. Y
Champlain Summer School, 1899.
Teacher, P. S. No. 17, New York City
*Education, Philosophy.*

KEMP, LENA ..... 150 East 56th Street
Normal College, New York City, 1889.
Teacher, P. S. No. 75, New York City.
*English, History, Psychology.*

KEMP, WILLIAM CULLEN BRYANT ..... 607 West 113th Street
Columbia University, LL.B., 1896; A.B., 1900; A.M., LL.M., 1901.
*German, Philosophy, Psychology.*

KENDRICK, MINNIE ..... Waco, Texas ..... Fiske Hall, Barnard College
Baylor University, M.S., 1891.
Teacher, Public Schools, Waco, Tex.
*English, Fine Arts, History.*

KENNEDY, ANNA.....Little Silver, N. J.....434 West 124th Street
Student, Teachers College, 1 year.
*Latin*

KENNEDY, SARA MARIE.....211 Carroll Street, Brooklyn, N. Y.
St. Briere, France, "Brevet de Bapite," 1875.
Principal, Miss Kennedy's School.
*French, Spanish.*

KENNY, JOSEPHINE WECKERLE.....314 West 89th Street
Normal College, New York City, 1888.
Teacher, P. S. No. 95, New York City.
*Psychology.*

KINGSBURY, GEORGE HOLMES.....Deposit, N. Y.....Elmhurst, L. I
Syracuse University, Ph.M., 1893.
Teacher, High School, Newtown, N. Y.
*Physics.*

KOCH, DORIS.....112 Bay View Avenue, Jersey City, N. J
Jersey City High School. 1881.
Jersey City Training School, 1881.
Teacher in Jersey City High School.
*German.*

KRALL, GEORGE WARREN.....St. Louis, Mo.....419 West 118th Street
Millersville, Pa., State Normal School, B.S., 1873.
Principal, Manual Training School, St. Louis, Mo.
*Fine Arts, Manual Training.*

KRETSCHMAR, HERMAN.....358 East 8th Street
Addison Seminary, Ill., 3 years.
*Education, English.*

LAMB, ANNA MAGDALEN.....Jerome and Burnside Avenues
St. Bridget's Academy, 1893.
Teacher, P. S. No. 93, New York City.
*English, Psychology.*

LANE, FRANK PITKIN.....Springfield, Mass.....58 West 109th Street
Oberlin Academy, 3 years.
Massachusetts Agricultural College, 1 year.
*Education, Manual Training.*

LA ROCHE, PHILIP BEVAN.....706 Madison Avenue
Student, Columbia University, 3 years.
*Fine Arts, Philosophy, Physical Training.*

LAWRENCE, ANTOINETTE.....Ithaca, N. Y....108 Warburton Avenue, Yonkers, N. Y
Cornell University, Ph.B., 1889; M.A., 1891.
Teacher in Yonkers High School.
*Education, Psychology.*

LAWTON, ALBERT R.....Chappaqua, N. Y.
Swarthmore College, A.B., 1880; A.M., 1885.
University of Paris, 1 year.
Principal, Chappaqua Mountain Institute.
*Education, Psychology.*

LEASE, EVELYN LOUISE.....80 East 121st Street
Normal College, New York City., A.B., 1900.
Teacher, P. S. No. 119, New York City.
*Education, English.*

LEAVITT, EMANUEL JOSEPH.....465 West 164th Street
Rush Medical College, Chicago, Ill., 2 years.
*Physics.*

LEDWITH, MINNIE QUINN.....498 Marion Street, Brooklyn, N. Y.
Brooklyn Institute of Arts and Sciences, 1 year.
Harvard Summer School, 1 year.
Hoboken Normal, 2 years.
Head of Department, P. S. No. 1, Brooklyn, N. Y.
*Education, English, Philosophy.*

LEVER, LILY CARLOTTA YENDELL.....52 St. Felix Street, Brooklyn, N. Y.
Parker Collegiate Institute, 1893.
Columbia University (Summer Session, 1900).
Teacher, P. S. No. 5, Brooklyn, N. Y.
*History, Philosophy.*

LILIENFELD, AMELIA.....57 East 117th Street
Normal College, New York City, 1890.
Columbia University (Summer Session, 1900).
Teacher, P. S. No. 49, New York City.
*Education, English.*

LILLY, MARY M.....113 East 87th Street
Normal College, New York City, 1876.
Teacher, Elementary Schools.
Principal, Evening School No. 19, New York City.
*Education.*

LINDSLEY, FRANK W.....29 Clinton Avenue, Jersey City, N. J.
Albany Normal School, 1882.
Hasbrouck Institute, Jersey City, N. J.
*Education, Psychology.*

LINGO, MARGARET BIRD.....Pittsburg, Pa.....544 West 113th Street
Cumberland High School, Md., 1889.
Delaware, office, Business School, 1890.
Teacher, P. S., Pittsburg, Pa.
*Education, English.*

LLOYD, EMILY JENNY.....227 West 71st Street
Normal College, New York City, 1886.
Teacher, P. S. No. 10, New York City.
*Philosophy, Psychology.*

LOEWY, GEORGE JULIUS.....1295 Union Avenue
College of the City of New York, 4 years.
Stevens Institute Technology, 4 years.
Instructor in Shopwork, New York Public Schools.
*Education.*

LONG, THOMAS ALEXANDER.....Danville, Va.....243 West 35th Street
Lincoln University, A.B., 1889; S.T.B., 1892.
Principal, Industrial High School, Danville, Va.
*Physics, Psychology, Spanish.*

LOOPE, JOHN A.....Hollis, N. Y.
Cortland State Normal School, 3 years.
Principal, P. S. No. 35, Borough of Queens, N. Y.
*Mathematics, Physics.*

LOVETT, MARY.....Little Silver, N. J.....434 West 124th Street
Vassar College, A.B., 1900.
Columbia University, A.M., 1901.
Teacher, Courtland School, Bridgeport, Conn.
*Physics.*

LUCKE, CHARLES EDWARD.....Kingsbridge, New York City
College of the City of New York, B.S., 1895.
New York University, M.S., 1898.
Teacher, P. S. No. 165, New York City.
*Education.*

LUPO, LIZZIE SHUFORD.....Atlanta, Ga.....419 West 118th Street
Winthrop Normal College, 1 year.
La Grange Female College, B.S., 1893.
Teacher, Public Schools, Atlanta, Ga.
*Education, English.*

LYMAN, MARY CLEMENTINE.....Englewood, N. J.
Private Teacher.
*English.*

LYON, MAUDE SIMONTON.....Lyons, N. J.
Normal College, New York City, A.B., 1898.
Assistant, P. S. No. 5, New York City.
*Education, English.*

LYONS, BERTHA G.....100 East 83d Street
Normal College, New York City, 1889.
Teacher, P. S. No. 130, New York City.
*Education, History.*

LYSTER, KATE FRANCES.....47 Ryerson Street, Brooklyn, N. Y.
New York University, Summer School, 1898.
Teacher, P. S. No. 77, Brooklyn, N. Y.
*Education.*

McCarthy, Kittie Fidelis.....416 Eighteenth Street, Brooklyn, N. Y.
Normal College, New York City, 1886.
Teacher, P. S. No. 20, New York City.
*Philosophy, Psychology.*

McConnell, Josephine Ireneus....New Lots and Shepherd Avenue, Brooklyn, N. Y.
St. James Academy, 1889.
Teacher, P. S. No. 72, Brooklyn, N. Y.
*Education, Philosophy, Psychology.*

McCormack, Anna S.....1036 Prospect Avenue
Normal College, New York City, 1886.
New York University, 1 year.
Teacher, P. S. No. 53, New York City.
*Philosophy, Psychology.*

McDermott, Anna.....326 St. Nicholas Avenue
Normal College, New York City, 1890.
Teacher, P. S. No. 103, New York City.
*Education.*

McDonald, Mary Isabel.....34 West 129th Street
Normal College, New York City, 3 years.
Columbia University (Summer Session, 1900).
Teacher, P. S. No. 57, New York City
*Education, English.*

McFarland, Minnie Florence.....Pittsburg, Pa.....417 West 118th Street
State Normal School, Indiana, Pa., B.E., 1895.
Teacher, P. S., Pittsburg, Pa.
*Education.*

McGibney, Emma Anne.....1438 Lexington Avenue
Normal College, New York City, 1881.
Teacher, P. S. No. 27, New York City.
*Education, Mathematics.*

McKay, Agnes Dana.....Marietta, O.....412 West End Avenue
Marietta College, B.Ph., 1899.
Instructor, Academy of Marietta College.
*Education, History.*

McKee, Kate.....347 East 19th Street
Normal College, New York City, 1881.
New York University, 5 years.
Teacher, P. S. No. 19, New York City.
*Education.*

McKernan, Christine Eliza.....Jersey City, N. J.....419 West 118th Street
Jersey City Normal School, 1879
Vice-Principal, P. S. No. 20, Jersey City, N. J.
*Education, Psychology.*

McLaughlin, Leo.....206 West 136th Street
St. Francis Xavier College, A.B., 1895.
Columbia University, LL.B., 1898
*Education.*

McLaughlin, Mary Agnes.....302 East 41st Street
Normal College, New York City, 1886.
Teacher, P. S. No. 36, New York City.
*Philosophy, Psychology.*

McLaury, Emma Louise.....203 West 112th Street
High School, New Brunswick, 1890.
New York School of Expression, 1899
*Physical Training.*

McLeod, Edith.....San Diego, California.....Fiske Hall, Barnard College
State Normal School, Bridgewater, Mass., 1871.
Student, Teachers College, 1 year.
Principal, State Normal School, San Diego, Cal.
*Manual Training, Psychology.*

McMahon, Mary Elizabeth.....169 West 126th Street
Normal College, New York City, 1887.
Columbia University (Summer Session, 1900).
Teacher, P. S. No. 170, New York City
*Education, English.*

McMillen, Harlow.....Tottenville, N. Y.
Union College, A.B., 1887; A.M., 1900.
New York State Normal College, Ph.B., 1897.
Teacher, High School, Richmond Borough, New York City
*Physics.*

McNiff, Katharine.....Harrisburg, Pa.....Fiske Hall, Barnard College
Bloomsburg State Normal College, M.E., 1887.
Bloomsburg State Normal College, M.S., 1891.
Harvard Summer School, 1900.
Teacher, Harrisburg High School.
*Latin.*

Macdonald, Katherine Mary.....1611 Amsterdam Avenue
Normal College, New York City, 1898.
Teacher, P. S. No. 169, New York City.
*English, History.*

Magée, Marguerite.....Trenton, N. J.....145 West 117th Street
Private School, France, 1 year.
Aimesley Hall, England, 1 year.
Instructor, French, State Model School, Trenton, N. J
*English, Spanish.*

Magee, Mary Geraldine.....713 Metropolitan Avenue, Brooklyn, N. Y.
Brooklyn High School, 1886.
Teacher, P. S. No. 76, Brooklyn, N. Y.
*Education.*

Mageworth, Julius Otis.....2825 Decatur Avenue, Bedford Park, N. Y.
College City of New York, A.B., 1898.
Teacher, P. S. No. 154, New York City.
*English.*

Malmberg, Theodore James William.....352 Fourth Avenue
De Witt Clinton High School, 1901.
*English, Mathematics.*

Malone, Mary Gerrett.....Brooklyn, N. Y.....Fiske Hall, Barnard College
Brooklyn Girls' High School, 1878.
Teacher, P. S. No. 13, Brooklyn, N. Y.
*Education, English.*

Marsh, Horace Wilmer.....233a Willoughby Avenue, Brooklyn, N. Y.
Lafayette College, A.B., 1889; A.M., 1893.
Instructor, Pratt Institute, Brooklyn, N Y.
*English, Philosophy, Psychology.*

Martin, Caroline Bell Wardlaw.....349 West 58th Street
Andrew College, Ga.
Columbia University (Summer Session, 1900).
Principal, P. S. No. 17, New York City.
*Education, English, Fine Arts.*

Mathesius, Frederick William.....355 West 145th Street
Massachusetts Institute of Technology, 1 year.
*Mathematics.*

Mathews, Anna Imelda.....237 East 12th Street
Normal College, New York City, 1894.
Teacher, P. S. No. 1, New York City.
*History.*

Matthews, Rose Mary.....70 East 109th Street
Normal College, New York City, 1885.
New York University, 1 year.
Teacher, P. S. No. 19, New York City.
*Education, Psychology.*

Matthis, Caroline Louis.....900 Sixth Avenue
University of Kazan, 1883.
Teacher, Languages and Music.
*English, French, German.*

Maxson, Holly Whitford.....Adams Centre, N. Y.....127 West 62d Street
Alfred University, A.B., 1897.
New York State Normal College, Pd.B., 1898
*Education, Physical Training.*

MEADE, REBECCA PAULDING.....126 East 19th Street
Notre Dame College, Maryland, 1893.
*Education, Fine Arts.*

MEADOWCROFT, ABBIE JANE.....Haverhill, Mass.....417 West 118th Street
High School, Haverhill, Mass., 1873.
Columbia University (Summer Session, 1900).
Principal, P. S., Haverhill, Mass.
*Education, English, Manual Training.*

MEASOM, ADA MARY.....1034 Freeman Street
Normal College, New York City, 1896.
Teacher, P. S. No. 96, New York City.
*Mathematics, Psychology.*

MERDIAN, MARY LOUISA.....117 Waverly Place
Normal College, New York City, 1880.
Teacher, P. S. No. 3, New York City.
*Education, Mathematics, Philosophy.*

MERRELL, HOWARD BROWN.....Upper Montclair, N. J.
Student, Columbia University, 3 years.
*Education.*

MERRILL, VALERIA INEZ.....Peekskill, N. Y.....419 West 118th Street
Student, Vassar College, 1 year.
Columbia University (Summer Session, 1900).
Teacher, St. Gabriel's School, Peekskill, N. Y.
*Education, German.*

MERRITT, EDITH SOMERVILLE.....80½ Third Avenue, Newark, N. J.
Vassar College, A.B., 1900.
Pratt Institute, 1 year.
Instructor in Pratt Institute.
*Education, Physics.*

MESIHLICH, ADOLPH.....108 East 71st Street
College City of New York, B.S., 1879.
Teacher, P. S. No. 18, New York City.
*Education, English.*

MICHAEL, GEORGE WASHINGTON.....182 East End Avenue
College of the City of New York, B.S., 1897.
Teacher, P. S. No. 30, New York City.
*English, German.*

MILLIGAN, SARAH JUSTINE.....St. Louis, Mo.....417 West 118th Street
St. Louis Normal School, 1872.
Principal, Webster Groves School
*Education, English, Fine Arts.*

MILLS, RONALD VAN AUKEN.....Washington, D.C.....152 West 82d Street
Student, Central High School, Washington, D.C.
*English, German, History.*

MITCHELL, HARVEY FORREST.....171 East 81st Street
Stevens Institute, M.E., 1884.
Tutor, College of the City of New York.
*Physics, Psychology.*

MITCHILL, THEODORE CLARENCE.....151 West 47th Street
Columbia University, A.B., 1886; A.M., 1901.
Instructor, De Witt Clinton High School, New York City.
*English, Fine Arts, German.*

MIZER, NORA E.....Tonawanda, N. Y..103 Mt. Pleasant Ave., Newark, N. J.
Buffalo State Normal School, 1899.
Teacher, Tonawanda High School.
*Education, English.*

MOORE, CHARLES WILLIAM.....64 Clarkson Street, Brooklyn, N. Y.
Alfred University, A.B., 1889.
Head of Department, P. S. No. 3, Brooklyn, N. Y.
*Education.*

MOORE, MARY WINIFRED.....Springfield, Mass.....47 West 49th Street
Smith College, B.S., 1901.
Private Teaching.
*Education.*

MOORE, WINIFRED TOOLEY.....Marion, Ala.....419 West 118th Street
Judson Female Institute, 1892.
Teacher, Liberty College, Glasgow, Ky.
*German.*

MOREY, JAMES SMITH.....42d Street and 16th Avenue, Brooklyn, N. Y.
Student, Syracuse University, 1 year.
Principal, P. S. No. 93, Brooklyn, N. Y.
*Education, Physics.*

MORGAN, LUCIE BIANCA.....2731 Broadway
Harvard Summer School, 1892–1896.
Private Teacher.
*Education, Physical Training.*

MORRIS, GEORGE.....Erasmus Hall High School, Brooklyn, N. Y.
Rutgers College, B.S., 1889; M.S., 1894.
Columbia University (Summer Session, 1900).
Teacher, Erasmus Hall High School.
*Education, Psychology.*

MORSE, MARIAN THOMPSON.....Baltimore, Md.....522 West 123d Street
Baltimore Normal Training School for Kindergartners, 3 years.
Principal, Grace Church Kindergarten, Baltimore, Md.
*Education, Manual Training.*

MOTT, GRACE BEARDSLEY.....29 Lafayette Avenue, Brooklyn, N. Y.
Waterville Academy, N.Y., 1883.
*English, Fine Arts.*

MULLER, MARTHA.....681 Cauldwell Avenue
Normal College, New York City, A.B., 1897.
Teacher, P. S. No. 154, New York City.
*Education, German.*

MULVANEY, SARAH.....353 Degraw Street, Brooklyn, N. Y.
St. James Academy, 1894.
Teacher, P. S. No. 133, Brooklyn, N. Y.
*Education, History, Physical Training.*

MUNROE, HARRY KEISER.....Meadville, Pa.....River Edge, N. J.
Jersey City High School, 1883.
Wesleyan University, A.B., 1888; A.M., 1895.
Professor, Allegheny College, Meadville, Pa.
*Education, English.*

MURRAY, HATTIE LOUISE.....102 West 89th Street
Teachers College, 1 year.
*English.*

MURRAY, JENNIE ERSKINE.....81 West 127th Street
Lansingburg Academy, 4 years.
Teacher, Veltin School, New York.
*Education, English.*

MYRICH, HARRIETTE AUGUSTA....Clinton, N. Y.....Fiske Hall, Barnard College
Cornell University, 1 year.
Assistant Principal, Chappaqua Mountain Institute.
*Education, English.*

NAMES, BESSIE BURLEIGH.....Kearny, N. Y.
Phœnix High School, 1897–1900.
*Education.*

NEVILLE, ELIZABETH.....73 Hooper Street, Brooklyn, N. Y.
Teacher, P. S. No. 33, Brooklyn, N. Y.
*English.*

NEVILLE, EMILY JOSEPHINE.....73 Hooper Street, Brooklyn, N. Y.
Girls' High School, Brooklyn, 1889.
Teacher, P. S. No. 33, Brooklyn, N. Y.
*English.*

NEWCOMER, SADIE ELIZABETH.....Carlisle, Pa.....113 West 103d Street
University of Kansas, 2 years.
Teacher, Carlisle Indian School.
*Education.*

NICHOLS, ELLEN ELIZABETH.....417 West 114th Street
Student, Teachers College, 3 years.
Teacher P. S. No. 42, Brooklyn, N. Y.
*German, History, Fine Arts.*

NICHOLS, HARRY PEIRCE.....18 West 122d Street
Harvard University, A.B., 1871.
Andover Theological Seminary, B.D., 1900.
Rector, Holy Trinity Church, New York City.
*English.*

NICHOLSON, JOHN T.....509 West 146th Street
Teacher, P. S. No. 10, New York City.
*Education.*

NIVER, HARMON BAY.....423 Third Street, Brooklyn, N. Y.
Rutgers College, A.B., 1888.
Johns Hopkins University, 1 year.
Teacher, P. S. No. 10, Brooklyn, N. Y.
*Education, English.*

NORMANDEAN, HERBERT MITCHELL.....Woodcliff, N. J.
Plattsburg Normal School, 1 year.
Principal, Woodcliff Grammar School.
*Education, English, Mathematics.*

NORSWORTHY, NAOMI.....234 West 122d Street
Student, Teachers College, 1 year.
Columbia University (Summer Session, 1900).
Assistant, Teachers College.
*German, Mathematics.*

O'GERAN, ANNE SUSAN.....Oswego, N. Y...500 De Bevoise Ave., Astoria, N. Y.
Normal and Training School, Oswego, N. Y., 1887.
Teacher, P. S. No. 8, Borough of Queens, N. Y. City.
*Education.*

O'NEIL, IDA NACHÖLDER.....Brooklyn, N. Y.....419 West 118th Street
Girls' High School, Brooklyn, N. Y., 2 years.
Harvard University, 1900.
Teacher, P. S. No. 25, Brooklyn, N. Y.
*Education, English.*

O'NEILL, ANNIE JANE.....144 Oakland Street, Brooklyn, N. Y.
Head of Department, P. S. No. 31, Brooklyn, N. Y.
*Education, English, German.*

O'NEILL, EMMA FRANCES.....407 Pleasant Avenue
Normal College, New York City, 1878.
Teacher, P. S. No. 21, New York City.
*History, Psychology.*

OPPER, EMMA ALMIRA.....Bay 31st Street, Bensonhurst, N. Y.
High School, Madison, O., 1880.
*English.*

ORTH, MARY CATHERINE.....Harrisburg, Pa.....Fiske Hall, Barnard College
Harrisburg High School, 2 years.
Harrisburg Training School, 1 year.
Teacher, Harrisburg High School.
*Education, English.*

OSTRANDER, ELLA PECKHAM.....164 Macon Street, Brooklyn, N. Y.
Brooklyn High School, 4 years.
Teacher, P. S. No. 43, Brooklyn, N. Y.
*Education, Psychology.*

OWENS, JENNIE FREEBORN.....Jersey City, N. J.....522 West 123d Street
Jersey City Training School, 1888.
Teacher, Jersey City Training School.
*Education, English.*

PADDOCK, ALICE HORTENSE.....24 West 128th Street
New York State Certificate, 1899.
Teacher, P. S. No. 159, New York City.
*Education, English, Fine Arts.*

PARKER, ALICE NISBET.....Washington, D.C.....Fiske Hall, Barnard College
Baltimore Kindergarten Training School, 1 year.
Phœbe Hearst Kindergarten Training School, 3 years.
Teacher, Kindergarten Training School, Richmond, Va.
*Education, Philosophy.*

PARMENTER, ELEANOR BERTHA....Camden, N. J..... Fiske Hall, Barnard College
New Jersey State Normal School, 1896.
Teacher, State Model School, Trenton, N. J.
*History.*

PAUL, FRANCIS HUGH JOSEPH.....95 Nott Avenue, Long Island City
College of the City of New York, A.B., 1897.
New York University, 1 year.
Teacher, P. S. No. 18, New York City.
*English.*

PEASE, GEORGE WILLIAM.....Springfield, Mass.....530 West 123d Street
Bible Normal College, 2 years.
Instructor, Bible Normal College, Springfield, Mass.
*Education.*

PECK, HARRIET SALIMA.....100 Willow Street, Brooklyn, N. Y.
Packer Institute, 1867.
Supervisor of Drawing.
*Education, Psychology.*

PERKINS, REESE WILMER, MRS.....New Orleans, La.....417 West 118th Street
Keystone State Normal, Pa., 1875.
Teacher, Leland University.
*English, History.*

PERKINS, REESE WILMER.....New Orleans, La.....417 West 118th Street
Bucknell University, Ph.D., 1893.
President of Leland University.
*Education, Psychology.*

PERMENTO, LOUISE D.....Brooklyn, N. Y.
Teacher, P. S. No. 34, Brooklyn, N. Y.
*Education, English.*

PERRY, ELIZABETH HELEN....Bridgewater, Mass.....Fiske Hall, Barnard College
Normal School, Bridgewater, Mass., 1880.
Director, Art Department, Normal School, Bridgewater, Mass.
*Education, Fine Arts, Manual Training.*

PERRY, NELLIE.....Brooklyn, N. Y.....Fiske Hall, Barnard College
Brooklyn High School, 1891.
Teacher, P. S. No. 22, Brooklyn, N. Y.
*Education, Psychology.*

PERRY, RACHEL CRAIG.....414 West 124th Street
New Jersey State Normal School, 2 years.
Librarian, Aguilar Free Library.
*German.*

PERSONS, ELEANOR ALICE.....Ripley, N. Y.....65 West 83d Street
Buffalo Normal School, 1891.
Vice-Principal, Ripley High School.
*English, German, History.*

PHILLIPS, ELLEN MORGAN.....131 East 83d Street
Normal College, New York City, 1890.
New York University, M.P., 1901.
Teacher, P. S. No. 58, New York City.
*English, History.*

PILGRIM, YANCEY C.....Kearny, N. J.
Lafayette College, Ph.B., 1889; M.S., 1892
Principal, P. S. No. 2, Kearny, N. J.
*Education, Physics, Psychology.*

PITSKE, EDGAR DUDENSING.....365 West 119th Street
Student, Columbia University, 2 years.
*Philosophy, Psychology.*

PLANER, CLARA HELENE.....104 Ninth Avenue, Hoboken, N. J.
High School, Germany.
Teacher, Hoboken High School.
*Education, French, Physical Training.*

POLLARD, GEORGE FREDERICK.....159 Madison Avenue
High School, 3 years.
*German, Mathematics, Physics.*

POMERENE, JENNIE.....Poughkeepsie, N. Y.....419 West 118th Street
Lake Erie Seminary, 1 year.
Vassar College, A.B., 1886.
Teacher, Wadleigh High School, New York City.
*Education.*

PRESBY, CHARLOTTE SULLEY.....78 West 92d Street
New York School of Expression, 1 year.
Teacher, New York School of Expression.
*English.*

PRETZFELD, CHARLES JOSEPH.....1211 Madison Avenue
Columbia University, A.B., 1898; A.M., 1900.
*Physics.*

PRIEST, MARY CHARLOTTE.....Washington, D. C....55 Pineapple St., Brooklyn, N. Y.
Columbia University, A.B., 1893; A.M., 1901.
Teacher, Mabunal Park Seminary, Forest Glen, Md.
*Education, English.*

PUGLIESE, ANTHONY JULIAN.....500 East 119th Street
College City of New York, A.B., 1897.
Teacher, P. S. No. 101, New York City.
*Education, English, Physical Training.*

QUACKENBOS, GEORGE PAYN.....331 West 28th Street
Columbia University, A.B., 1900; A.M., 1901.
*German.*

QUIMBY, ERNEST SCOTT.....123 West 121st Street
Wesleyan University, A.B., 1896.
Student, Teachers College, 1 year.
Instructor, Drisler School, New York City.
*English, German.*

RAIMAN, ROBERT INSALL.....492 Madison Street, Brooklyn, N. Y.
Columbia University, A.B., 1900; A.M., 1901.
*Education, English.*

RAINES, JULIA MARSHALL.....Columbus, Ga.....320 West 58th Street
Southern Female College, A.B., 1894.
Teacher, Public Schools, Columbus, Ga.
*Manual Training.*

RAINEY, WILLIAM MCCLEAN.....3136 Broadway
College of the City of New York.
Teacher, P. S. No. 173 and No. 20, New York City.
*Education, Physical Training.*

REED, ELIZABETH MARIA.....Brooklyn, N. Y.....416 West 118th Street
Bridgewater State Normal School, 3 years.
Studied in Germany, 2 years.
Harvard University, Summer Session, 1895–1896.
Clarke University, Summer Session, 1897–1898.
Authoress.
*Education, Fine Arts, History.*

REEVE, CHARLOTTE ELIZABETH.....New Paltz, N. Y.....220 West 123d Street
State Normal School, New Paltz, N. Y., 1891.
Columbia University (Summer Session, 1900).
Teacher, State Normal School, New Paltz, N. Y
*Education, Mathematics*

REGAN, MARY ANASTATIA.....40 West 129th Street
Normal College, New York City, 1883.
Teachers College, 1 year.
New York University, 2 years.
Teacher, P. S. No. 7, New York City
*Education, Psychology.*

REID, ELIZABETH.....167 West 64th Street
New York University, M.P., 1897.
Teacher, P. S. No. 59, New York City.
*Education*

REID, ROBERT LINCOLN.....148 West 91st Street
Columbia University, 4 years.
*English, Philosophy, Psychology.*

RENNERT, ROSINA JULIA.....98 East 114th Street
Normal College, New York City, A.B., 1897.
Columbia University, A.B., 1901.
Teacher, P. S. No. 171, New York City.
*Psychology.*

REYNOLDS, MARY.....Washington, D. C.....Fiske Hall, Barnard College
Phœbe Hearst Kindergarten Training School, 1900.
Principal, Kindergarten School, Public Schools, Washington, D. C.
*Education.*

RIBLET, MARY VARIAN.....343 East 68th Street
Normal College, New York City, A.B., 1896.
Columbia University (Summer Session, 1900).
Teacher, P. S. No. 19, New York City.
*English.*

RICHMOND, LILLIE.....Bethel, Conn.....2301 Seventh Avenue
Vassar College, 1 year.
Teacher, Public Schools, Greenwich, Conn.
*German.*

RICHTER, ERNEST KURT.....1252 Lexington Avenue
Teachers College, Addison, Ill., 1894.
Teacher, Parochial School, New York City.
*Education, German.*

RICKER, CHARLES ANDREW.....471 West 145th Street
Amherst College, A.B., 1878.
Columbia University (Summer Session, 1900).
Teacher, P. S. No. 39, New York City.
*Education, History.*

RILEY, MARIETTA.....22 Powell Street, Brooklyn, N. Y.
Student, Teachers College, 3 years.
Columbia University (Summer Session, 1900).
Teacher, P. S. No. 43, Brooklyn, N. Y.
*Education.*

RINN, AGNES LOUISE.....27 West 17th Street
New York University, 1 year.
Teacher, P. S. No. 44, New York City.
*Education, Psychology.*

RITCHIE, PETER CHAPMAN, JR.....1451 Washington Avenue
College of the City of New York, 3 years.
New York University, 2 years.
Teacher, Public Schools, New York City.
*Education, German.*

RIX, MARY LOUISE.....Lebanon, N. H.....2011 Madison Avenue
Smith College, 3 years.
École Colonial, Paris, 1900.
Instructor in Lyndon Hall School, Poughkeepsie, N. Y.
*Education, English.*

ROACH, KATHARINE JOSEPHINE.....Menands, N. Y.....460 Manhattan Avenue
Kenwood Academy, 1885.
Teacher, Public Schools, Albany, N. Y.
*Education, English.*

ROBERTS, JOHN STACEY.....21 Beekman Place
College of the City of New York, B.S., 1895.
Teacher, High School, and Principal, Evening School No. 38, New York City.
*Education.*

ROBERTS, MARGARET.....Carlisle, Pa.....113 West 103d Street
Keystone Normal School, Pa., 1883.
Teacher, Carlisle Indian School.
*Education.*

ROCHE, MARY FRANCIS.....467 West 147th Street
Normal College, New York City, 1886.
Teacher, P. S. No. 5, New York City.
*Philosophy, Psychology.*

RODMAN, BAYARD BLACKWELL.....846 Boulevard, Astoria, N. Y.
High Schools, 2 years.
School of Social Economics, 1 year.
*English, History, Latin.*

ROEBUCK, BELLE.....Birmingham, Ala.....96 Fifth Avenue
Alabama Female College, 2 years.
Teacher, Searles School, Ala.
*Education, English.*

ROEDER, AMELIA.....13 Henry Street, Astoria, N. Y.
Normal College, New York City, 1878.
Cornell University, Summer School, 1899.
New York University, 1 year.
Teacher, P. S. No. 92, New York City.
*History, Philosophy, Psychology.*

RONAN, ELIZABETH.....Troy, Penn.....419 West 118th Street
High School, 4 years.
Teacher, Troy Public Schools.
*Education.*

ROSE, HARRIETT MARY.....Lancaster, Penn.....168 East 74th Street
High School, 4 years
Teacher, Lancaster Public Schools.
*Education, Fine Arts, Psychology.*

ROSSE, CELINA CECELIA.....412 Halsey Street, Brooklyn, N. Y.
Normal College, New York City, 1884.
Teacher, P. S. No. 45, New York City.
*Psychology.*

ROTTGER, ELIZABETH CHRISTINE.....1138 Washington Avenue
Normal College, New York City, 1880.
Teacher, P. S. No. 154, New York City.
*Education, German.*

RUANE, ANNIE GENEVIEVE.....26 West 5th Street, Mount Vernon, N. Y.
Teacher, Manhattan and Bronx Boroughs.
*English, Psychology.*

RUGER, HENRY ALFRED.....Janesville, Wis.....530 West 123d Street
Beloit College, A.B., 1895.
Chicago University, Summer School, 3 years.
Chicago University, 1 year.
*Psychology*

RUSSELL, CHARLES EDMUND LUSK.....60 West 104th Street
Central Preparatory School, New York City, 1 year.
*Physics.*

RUSSELL, HAROLD LOUIS.....Baltimore, Md.....419 West 118th Street
Maryland State Normal School, 1901.
Instructor, Annapolis High Schools.
*Manual Training.*

SALBERG, EMMA JOAN.....266 West 126th Street
Normal College, New York City, 1879.
Teacher, P. S. No. 17, New York City.
*Philosophy, Psychology.*

SANDT, JOHN HERMAN.....Pen Argyl, Pa.....367 Manhattan Avenue
East Stroudsburg, Pa., State Normal School, M.E., 1901.
Teacher, Drawing and Manual Training, P. S., Vineland, N. J.
*Manual Training.*

SANGUINETTI, PHILIP COHEN.....362 St. Nicholas Avenue
Student, Columbia University, 2 years.
*German, Mathematics.*

SAXE, BERNHARD DAVID.....683 Myrtle Avenue, Brooklyn, N. Y.
College of the City of New York, B.S., 1899.
New York University, 1 year.
Teacher, P. S. No. 79, New York City
*English, French, Philosophy.*

SCHERZINGER, MINNIE ANNA.....147 East 81st Street
Normal College, New York City, 1878.
Columbia University (Summer Session, 1900).
Teacher, P. S. No. 158, New York City.
*English, History.*

SCHODTS, LILY MARGARET.....133 East 73d Street
Normal College, New York City, 1891.
Columbia University (Summer Session, 1900)
Private Teacher, New York City.
*English.*

SCHRODER, LAURA.....Teller Avenue, near East 169th Street
Normal College, New York City, 1885.
Teacher, P. S. No. 175, New York City.
*Education, Psychology.*

SCHULENBURG, ELLEN.....St. Louis, Mo.....417 West 118th Street
Teacher, Webster Groves, Mo., Public Schools.
*French, Manual Training.*

SCHULTE, CHARLOTTE THEODOSIA.....93 Woolsey Street, Long Island City, N. Y.
Cooper Union, New York City, B.S., 1900.
Teacher, P. S. No. 6, Long Island City, N. Y.
*Education.*

SCHULTZ, ANNA M.....152 East 48th Street
Normal College, New York City, 1893.
*Education, Psychology.*

SCHURMAN, FRANCES JANET.....Terrell, Tex.....417 West 118th Street
Prince of Wales College, 1 year.
State University, Mo., 1 year.
Supervisor, Manual Training, Normal School, Warrensburg, Mo.
*Fine Arts, Manual Training, Psychology.*

SCOTT, CLARA LOUISE.....Brooklyn, N. Y.....417 West 118th Street
Packer Collegiate Institute, 1889.
Brooklyn Training School for Teachers, 1901.
Teacher, P. S. No. 11, Brooklyn.
*English.*

SCRUGGS, IDA.....Taylor, Tex.....330 West 58th Street
Sam Houston State Normal, 1898.
Instructor, Taylor High School, Texas.
*English, Mathematics.*

SEAMAN, EMILY CROMWELL.....135 St. James Place, Brooklyn, N. Y
Adelphi College, B.S., 1899.
Brooklyn Training School for Teachers, 1901.
Teacher, P. S. No. 82, Brooklyn, N. Y.
*Education, English.*

SEAMANS, CORA.....173 West 10th Street
Normal College, New York City, 1887.
Teacher, P. S. No. 107, New York City.
*Education.*

SEARING, HENRIETTA CASTERLINE.....Dover, N. J
Martha's Vineyard Institute, 2 years.
Oswego Summer School, 1895.
Vice-Principal, Building No. 3, Dover Public Schools, N. J.
*Education, Psychology.*

SELIGSBERG, WALTER NATHAN.....1034 Park Avenue
Student, Columbia University, 2 years.
*History, Latin, Psychology.*

SENIZO, FRANCES CATHERINE.....136 Boulevard, Hoboken, N. J.
Hoboken High School, 1898.
New Jersey State Normal, 1900.
Teacher, New Jersey State Normal.
*Mathematics, Physics.*

SHANKLAND, HELEN.....Des Moines, Ia.....308 Second Avenue
Iowa State Normal, 1894.
Teacher, Des Moines Public Schools.
*Education.*

SHEEHAN, JOSEPH MATTHEW.....24 Tompkins Place, Brooklyn, N. Y.
St. John's College, A.B., 1893; A.M., 1901.
Teacher, P. S. No. 1, Brooklyn, N. Y
*Education.*

SHEPPERSON, ADELINE.....Columbus, Ga.....417 West 118th Street
Georgia State Normal, 1899.
Teacher, Elementary School, Columbus, Ga.
*Education, Manual Training, Physical Training.*

SHEPPERSON, MILDRED.....Columbus, Ga.....417 West 118th Street
Georgia State Normal, 1894.
Teacher, Elementary School, Columbus, Ga.
*Education, Manual Training, Physical Training.*

SHORT, ANNA ALOISE.....120 Washington Place
Normal College, New York City, 1891.
Teacher, P. S. No. 23, New York City.
*History, Psychology.*

SIBLEY, BELLA BRUCE.....Greeley, Colo.
Denver University, 1 year.
Teacher, Colorado State Normal School.
*Education, Fine Arts, Manual Training, Philosophy.*

SIMONSON, EDITH HILLYER.....33 Bodine Street, West New Brighton, N. Y.
Westerleigh Collegiate Institute, 1898.
Assistant Instructor, Private Gymnasium.
*Physical Training.*

SIMPSON, ANNIE BACHARD.....741 East 175th Street
Normal College, New York City, 1896.
Teacher, P. S. No. 70, New York City.
*Education, English.*

SIMPSON, MARGARET.....11 West 107th Street
Normal College, New York City, 1885.
New York University, 1 year.
Teacher, P. S. No. 28, New York City.
*Education, Psychology.*

SKENE, MATILDA CRUIKSHANK.....411 Lockwood Street, Astoria, N. Y.
Albany State Normal School, 1 year.
New York University, 1 year.
Teacher, P. S. No. 10, New York City.
*Education, English.*

SMALLEN, HUGH JEROME.....Pelham Road and Lee St., Throgs Neck, N. Y.
College of the City of New York, B.S., 1896.
Teacher, P. S. No. 63, New York City.
*Education.*

SMART, ALICE MADELEINE.....417 West 150th Street
New York School of Physical Education, 2 years.
Teacher, Vacation School No. 42, New York City.
*Physical Training.*

SMART, ISABELLE THOMPSON.....Brielle, N. J.....14 East 16th Street
New York School of Expression, 4 years.
Dr. Savage's Normal School of Physical Education, 1 year.
Women's Medical College, 1 year.
Instructor in Dr. Savage's School of Physical Education
*German, Physical Training.*

SMITH, ALEXANDER GODFREY.....95 Grand Street, Brooklyn, N Y.
Columbia University, A.B., 1900.
Teacher, P. S. No. 26, Brooklyn, N. Y.
*Psychology.*

SMITH, CAROLINE HARRIET...Blodgett Mills, N. Y....80 Lee Avenue, Brooklyn, N. Y.
Student, Teachers College, 3 years.
Teacher, P. S. No. 25, New York City.
*Education, Philosophy, Psychology.*

SMITH, EDNA CUYLER.....Erie, Pa.....419 West 118th Street
Normal School, Erie, Pa., 1890.
Cornell University, 1 year.
Smith College, B.S., 1895.
Teacher, St. Timothy's School, Cantonsville, Md
*Education*

SMITH, FRANCES ALBEE.....Brooklyn, N. Y.....Fiske Hall, Barnard College
Vassar College, A.B., 1895.
Teacher, Passaic Collegiate School.
*English.*

SMITH, MARIA LOUISE.....221 West 133d Street
Normal College, New York City, 1872.
Columbia University (Summer Session, 1900).
Teacher, P. S. No. 57, New York City.
*Education, English.*

SMITH, MARY M.....Los Angeles, Cal.
Pratt Institute, 3 years.
Throop Polytechnic, Pasadena, Cal., 1 year
Teacher, Los Angeles Normal School.
*Manual Training.*

SPAIN, CHARLES LYLE.....Detroit, Mich.....524 West 123d Street
University of Michigan, A.B., 1893.
Principal, Detroit Normal Training School.
*Education.*

SPANN, CARRIE.....317 Morris Avenue, Newark, N. J.
Newark High School, 1897.
Newark Normal School, 1899.
Teacher, Newark Public School.
*Physical Training.*

SPAWN, SOPHIE.....Newark, N. J.
Albany Training School, N. Y., 1884.
Teacher, Public Schools, Newark, N. J
*Education, English.*

SPENCE, ANNIE.....56 West 135th Street
Normal College, New York City, 1881.
Assistant, P. S. No. 83, New York City.
*Education, History.*

SPRINGMEYER, CHARLES EDWIN.....241 East 123d Street
College of the City of New York, A.B., 1897.
Teacher, P. S. No. 101, New York City.
*Education, English, Physical Training.*

STABER, OTTILIE PAMELA.....340 Clinton Street, Brooklyn, N. Y.
Student, Teachers College, 1 year.
*Fine Arts, Manual Training.*

STEVENS, PLOWDON, JR.....2126 Washington Avenue
College of the City of New York, B.S., 1888.
Student, Columbia University, 4 years.
Teacher, P. S. No. 81, New York City.
*Education.*

STEVENS, SHEPHERD.....201 Washington Park, Brooklyn, N. Y.
Latin School, Brooklyn, N. Y.
Student, Columbia University, 2 years.
*Physics.*

STEWART, ELIZABETH.....233 Franklin Place, Flushing, N. Y.
Oswego Normal School, 1895.
*Education, English.*

STOCK, HENRY M.....75 West 132d Street
College of the City of New York, B.S., 1890.
Columbia University, M.D., 1898.
*Education.*

STOKES, EDWIN FELIX.....Indianapolis, Ind.....18 East 115th Street
Indiana State Normal School, 1 year.
Teacher, Manual Training, Public Schools, Indianapolis, Ind.
*Education, Fine Arts, Manual Training.*

STONE, ISABELLE.....Poughkeepsie, N. Y.....419 West 118th Street
Wellesley College, A.B., 1890.
University of Chicago, M.S., 1897; Ph.D., 1898
Instructor, Vassar College.
*Physics.*

STORK, LAURA.....209 East 69th Street
Normal College, New York City, 1876.
New York University, 3 years.
Teacher, P. S. No. 59, New York City.
*Education, English.*

STORMS, ESTELLE TEN BROECK.....301 West 112th Street
Oswego Normal School, 1889.
New York University, 1 year.
Teacher, P. S. No. 9, New York City.
*Education, English.*

STRANG, FRANCES ANNE.....Hotel Winthrop, Seventh Ave. and 125th St.
Teacher, P. S. No. 119, New York City.
*Education.*

STRATFORD, ALENE CROQUET.....397 Flatbush Avenue, Brooklyn, N. Y.
Columbia University, A.B., 1897; A.M., 1899.
Teacher, E. D. High School, Brooklyn, N. Y.
*Education, English, Physical Training.*

STRAUSS, BELLA.....128 East 80th Street
Normal College, New York City, 1881.
New York University, 1 year.
Teacher, P. S. No. 88, New York City.
*History, Philosophy, Psychology.*

STRAWN, SOPHIE.....Newark, N. J.
Albany Training School, 1 year.
Teacher, Newark Public Schools.
*Education, English.*

STRIKER, EDITH PARKER.....East Orange, N. J.
Columbia University, A.B., 1899; A.M., 1900.
Teacher, Miss Jacobi's School, New York City.
*Education.*

SULLIVAN, JULIA ELIZABETH.....452 West 50th Street
Smith College, A.B., 1901.
*Education.*

SULLIVANT, JANE DAVISON.....Columbus, O.....432 Madison Avenue
Columbia University (Summer Session, 1900).
Teacher, High School, Columbus, Ohio.
*English, Fine Arts.*

SWIFT, LOTTIE HATCHER.....360 West 58th Street
Hollins Institute, Hollins, Va., 1891.
*Manual Training.*

TANZER, HELEN HENRIETTA.....294 West 92d Street
Student, Barnard College, 1 year.
Tutor, Normal College, New York City.
*English, Psychology.*

TESCHEMACHER, HELEN ANNA.....250 Myrtle Avenue, Brooklyn, N. Y.
Brooklyn Training School, 1 year.
Cornell Summer School, 1900.
Teacher, P. S. No. 43, Brooklyn.
*English, German.*

TERRY, RAPHAEL RUFO.....204 West 78th Street
Student, Columbia University, 2 years.
*Mathematics.*

THACKER, BROWNE KITTREDGE.....109 West 54th Street
Waukegan High School, 1899.
University of Chicago, ½ year.
*English, Manual Training.*

THAYER, ADA FRANCES.....Syracuse, N. Y.....Fiske Hall, Barnard College
Dr. Sargent Normal School, 1890.
Milwaukee Normal School German Gymnastics, 1896.
Director of Physical Training, Public Schools, Syracuse, N. Y.
*Education.*

THAYER, HELEN GERTRUDE.....33 Manhattan Avenue
Teachers College, 1 year.
Kindergartner.
*Manual Training.*

THISTLE, MARGARET ANNIE.....525 West 156th Street
Normal College, New York City, 1878.
Teacher, P. S. No. 46, New York City.
*Philosophy, Psychology.*

THISTLE, MARY CHARLOTTE.....525 West 156th Street
Normal College, New York City, 1884.
Teacher, P. S. No. 5, New York City.
*Philosophy, Psychology.*

THOMAS, LILLIAN ADAH.....Woodbury, N. J.....Fiske Hall, Barnard College
Wellesley College, A.B , 1897.
Principal, Riverton Public School.
*Education, Fine Arts.*

THOMAS, WINFIELD SCOTT.....412 West 115th Street
Dickinson College, 1 year.
Johns Hopkins University, A.B., 1889.
*Education, Psychology.*

THOMPSON, CLARKE.....Worcester, Mass.....416 West 118th Street
University of Pennsylvania, A.B., 1892.
Teacher, High School, Worcester, Mass.
*Physics.*

THOMPSON, MAUDE MAY.....Tarrytown, N. Y.
Geneseo State Normal, 1893.
Teacher, Washington Irving High School, Tarrytown, N. Y.
*Education.*

THOMSON, JOHN.....226 West 4th Street
Student, Teachers College, 1 year.
*History.*

TIDDY, LUCY MAYFIELD.....Charlotte, N. C.....419 West 118th Street
Elizabeth College, Charlotte, N. C., B.L., 1899.
Teacher, Public Schools, Charlotte, N. C.
*English*

TIERNEY, ELIZABETH MARIE.....Kingsbridge, N. Y.
Normal College, New York City, 1882.
Teacher, P. S. No. 10, New York City.
*History, Psychology.*

TOBITT, ADA.....Omaha, Neb.....214 West 130th Street
Oswego Normal School, 1 year.
Teacher, Public Schools, Omaha, Neb.
*Education.*

TOEPP, LAWRENCE ADAM.....Richmond, N. Y.
Griffith Institute, 1890.
Teacher, P. S. No. 22, Richmond Borough, New York City.
*Education, Psychology.*

TOMPKINS, ADA ECKERT.....178 Nepperhan Avenue, Yonkers, N. Y.
State Normal School, Oswego, N. Y., 1900.
Teacher, Kindergarten, Santiago, Cuba.
*Education, Spanish.*

TONER, ELEANOR LORETTO.....1284 Fulton Avenue
Normal College, New York City, 1884.
New York University, 3 years.
New York University, Summer School, 1898.
Teacher, P. S. No. 137, New York City.
*History, Psychology.*

TOY, CHANNING RUST.....65 West 70th Street
Student, Columbia University, 1 year.
*History, Latin, Psychology.*

TRYON, HOWARD IRA.....28 Le Count Place, New Rochelle, N. Y.
Potsdam Normal School, N. Y., 1888.
Principal, Grammar School, No. 5, New Rochelle, N. Y.
*Education.*

TUCKER, ELEANOR SELDEN.....Norfolk, Va.....412 West 115th Street
Leache-Wood School, 1892.
Teacher, St. George's School, Norfolk, Va.
*Education, History.*

UNDERHILL, MARY AGNES.....2061 Madison Avenue
Harvard Summer School, 1898.
Teacher, P. S. No. 6, New York City.
*Education, Philosophy, Psychology.*

UPDIKE, DAVID MONTGOMERY.....Landing, N. J.....156 West 74th Street
Student, Columbia University, 2 years.
*Mathematics.*

VAIL, NEWTON FOSTER.....Geneva, N. Y.....112 East 64th Street
Hobart College, A.B., 1890.
Yale University, A.B., 1892.
Student, Columbia University, 1 year.
Teacher, Classics, Chapin Collegiate School, New York City
*Education.*

VAN NAME, WARREN MESEREAU.....Tottenville, N. Y
Geneseo State Normal, 1893.
Columbia University, A.B., 1899.
Instructor, Commercial High School, Brooklyn, N. Y.
*English.*

VIMONT, LÉONIE.....Cincinnati, Ohio.....Fiske Hall, Barnard College
Convent of Enfant-Jésus, Reims, France, 1882.
*English.*

VOGEL, WILLIAM HENRY.....Cincinnati, Ohio.....417 West 118th Street
Superintendent of Drawing, Cincinnati Public Schools.
*Education, Fine Arts, Manual Training.*

WALTER, JOSEPHINE ROBERTA.....Carlisle, Pa.....72–74 West 124th Street
Kansas City High School, 1895.
Teacher, Carlisle Indian School.
*Education.*

WALZ, ANDREW.....301 West 46th Street
New York University, 1 year.
*Physics.*

WARD, FRANCES ARNOLD.....Peekskill, N. Y.....Fiske Hall, Barnard College
Pratt Institute, 2 years.
Teacher, Public Schools, Hamilton, Canada.
*Manual Training.*

WARD, LULU.....Lagrange, Ga.....56 Fifth Avenue
Lagrange College, A.B., 1872.
Principal, Primary School.
*English.*

WAREN, MARY.....St. Louis, Mo.....37 Morningside Avenue
Visitation Academy, 1886.
Teacher, St. Louis Public Schools.
*Education.*

WARNER, ELMA LUVLA....Brooklyn, N. Y.....Fiske Hall, Barnard College
Harvard Summer School, 1897.
Pratt Institute, 1893.
Gardner Normal School of Gymnastics, 1 year.
Instructor, Physical Training, Rosemary Hall, Brooklyn, N. Y.
*Physical Training.*

WATSON, CLARA ISABELLA.....Dunkirk, N. Y.....530 West 123d Street
Fredonia Normal School, 1888.
Teacher, Public Schools, Bradford, Pa.
*Education.*

WATSON, HARRIET CHAMBERLIN.....509 West 112th Street
*English.*

WEAVER, MARY LOUISA.....136 West 92d Street
Normal College, New York City, 1871.
Teacher, P. S. No. 1, Long Island City.
*Education.*

WEBER, CHARLOTTE.....Jersey City, N. J....Fiske Hall, Barnard College
Jersey City High School, 1876.
Vice-Principal, Grammar School No. 15, Jersey City.
*Education, Psychology.*

WEDEMEYER, MARIE HENRIETTA.....Boulder, Colorado.....412 West 115th Street
State University of California, 3 years.
Cheyenne, Wyo., High School, 1891.
*English, Fine Arts*

WEHLE, HANNA.....157 West 80th Street
Donai Institute, 2 years.
Teacher, Wadleigh High School, New York City.
*German.*

WEIL, JOSEPH.....1444 Fifth Avenue
London Training College, 1893.
Teacher, P. S. No. 15, New York City.
*Education.*

WEIR, WILLIAM NICHOLAS.....Carmel, N. Y.....56 Lenox Avenue
Union Theological Seminary, New York City, 1900.
Student, Columbia University, 1 year.
*German.*

WELLS, FREDERIC LYMAN.....329 West 83d Street
Student, Columbia University, 2 years.
*German, Mathematics.*

WEMYSS, HENRIETTA CHANFRAU.....57 West 84th Street
Normal College, New York City, 1891.
Teacher, P. S. No. 96, New York City.
*History, Psychology.*

WHALEN, JOSIE.....Millerton, N. Y.....541 East 157th Street
Teacher, Millerton High School.
*Education, English.*

WHITE, MARGARET CECILIA.....Yonkers, N. Y.....Bailey Ave., Kingsbridge, N. Y.
St. Mary's School, Yonkers.
Principal, Music School, 136 Hawthorne Avenue, Yonkers, N. Y.
*Education.*

WHITING, FLORENCE MAY.....Springfield, Mass.....2011 Madison Avenue
Smith College, A.B., 1897.
Teacher, Lyndon Hall School, Poughkeepsie, N. Y.
*Education, English.*

WHITNEY, NORA BELLE...Copenhagen, N. Y....28 Le Count Pl., New Rochelle, N. Y.
Potsdam State Normal School, N. Y., 1888.
Teacher, Potsdam State Normal School.
*Education, Psychology.*

WHITRIDGE, GRACE.....St. Paul, Minn.....Fiske Hall, Barnard College
Boston School of Oratory, 1890.
Harvard Summer School, 1893.
Director of Physical Training, University of Minnesota.
*Physical Training.*

WHITTEMORE, AMY POMEROY.....8 Morningside Avenue
Teachers College, 1901.
*Manual Training.*

WILKINSON, LOUTIE.....Troy, Alabama.....417 West 118th Street
Troy Normal College, Ala., 1895.
Teacher, City Graded School, Troy, Ala.
*Education.*

WILLIAMS, ADDIE DARLING....Brooklyn, N. Y.....Fiske Hall, Barnard College
Student, Normal College, New York City, 2 years.
Teacher, P. S. No. 43, Brooklyn, N. Y.
*Education*

WILLIAMS, JENNIE DOLORES.....65 West 12th Street
Normal College, New York City, 1887.
Harvard Summer School, 2 years.
New York University, 2 years.
Teacher, P. S. No. 55, New York City.
*Education, History.*

WILLIAMS, SEILA.....Troy, Alabama
Troy Normal College, Ala., Ph.B., 1891.
Teacher, Troy City School, Ala.
*Education.*

WILLS, ANNA.....350 Jefferson Avenue, Brooklyn, N. Y.
Girls' High School, Brooklyn, N. Y., 1892.
Columbia University (Summer Session, 1900).
Teacher, P. S. No. 74, Brooklyn, N. Y.
*Education, German.*

WILSON, EMELYN.....Brooklyn, N. Y.....414 West 118th Street
High School, Roselle, N. J., 1879.
Teacher, P. S. No. 44, Brooklyn, N. Y.
*Education, English.*

WILSON, HERBERT ABOTT.....Cedar Falls, Iowa.....366 West 118th Street
Seabury Divinity School, Faribault, Minn
*English, History.*

WILSON, JEAN.....Bronxville, N. Y.
St. John Baptist School, N. Y., 1899.
Teacher, Cooper Seulemont, N. Y.
*Education.*

WISE, ANNIE T.....Atlanta, Ga.....217 East 81st Street
High School, Atlanta, Ga., 1886.
Assistant Principal, Girls' High School, Atlanta, Ga.
*English.*

WITTE, CLEMENTINE DORETTA....Brooklyn, N. Y.....522 West 123d Street
Brooklyn Training School for Teachers, 1893.
Brooklyn Institute of Arts and Sciences, 1899.
Harvard Summer School, 1899–1900.
Teacher, Brooklyn, N. Y.
*Education.*

WITTPENN, ANNA DOROTHEA....Jersey City, N. J.....Fiske Hall, Barnard College
Jersey City Training School, 1898.
Teacher, P. S. No. 19, Jersey City.
*Education, English, Physical Training.*

WOOD, HENRY ALEXANDER WISE.....607 West End Avenue
Media Academy, Media, Pa.
*Physics.*

WOOD, HOWELL ROLAND.....235 Amity Street, Flushing, N. Y.
Colgate University, B.S., 1897.
Teacher, Flushing High School, N. Y.
*Physics.*

WOODARD, CLIFFORD AMBROSE.....Oyster Bay, L. I.
Normal College, Albany, N. Y., 1893.
Columbia University (Summer Session, 1900).
Principal, High School, Oyster Bay, L. I.
*German, Physics.*

WOODARD, HARLIN JAMES.....Logansport, Ind.....533 Manhattan Avenue
Parkville College, Mo., 1897.
*Mathematics, Physics.*

WOODRUFF, LORANDE LOSS.....202 West 103d Street
Columbia University, A.B., 1901.
*Education, Fine Arts, German.*

WOOLLEY, GERTRUDE HOLLAND.....Brooklyn, N. Y.....419 West 118th Street
Brooklyn High School, 1894.
Brooklyn Training School for Teachers, 1895.
Teacher, P. S. No. 43, Brooklyn, N. Y.
*Mathematics.*

WORMSER, MORITZ.....836 Fifth Avenue
Columbia College, A.B., 1900.
Colorado College, A.B., 1900.
Columbia University (Summer Session, 1900).
*Physics.*

WRIGHT, JESSIE MAY.....Corona, N. Y.
State Normal School, Potsdam, N. Y., 1890.
Teacher, P. S. No. 16, Corona, N. Y.
*Education, English.*

WRIGHT, JOHN PATRICK.....317 East 82d Street
Normal School, Charlottetown, P. E. I., 1879.
Teacher, P. S. No. 40, New York City.
*Psychology,*

WYLER, CORA CAROLINE.....52 East 120th Street
Normal College, New York City, 1889.
Teacher, P. S. No. 70, New York City.
*Education, English.*

WYNNE, KATHARINE VERONICA.....141 North Portland Avenue, Brooklyn, N. Y
Brooklyn Girls' High School, 1895.
Teacher, P. S. No. 126, Brooklyn, N. Y.
*Education, Philosophy.*

YOUNG, ANNA.....439 East 120th Street
Normal College, New York City, 1879.
New York University, 2 years.
New York University Summer Session, 1900.
Teacher, P. S. No. 34, New York City.
*History, Philosophy, Psychology.*

ZERBE, DAISY MAUD.....The Winthrop, 125th St. and Seventh Avenue
Packer College, 1893.
*Education, Psychology.*

Total.....579

# UNIVERSITY BIBLIOGRAPHY

For the Academic Year Ending July 1, 1901

## I. Official Publications of Columbia University

**Annual Catalogue:** describes the organization of the University, and gives a full statement of courses and facilities for research offered during the current year, lists of officers and students, accounts of fellowships, scholarships, and honors offered and conferred, estimates of expenses, requirements for admission and degrees, and the regulations governing the College and the various Schools of the University. Issued each December. Price, 25 cents.

**President's Annual Report to the Trustees:** issued each November.

**Directory of Officers and Students:** issued each year soon after the opening of the University; contains the names, office hours, and addresses of the officers of the University, and the names and addresses of the students registered up to the time of publication; revised and reprinted in the **Catalogue.**

**General Catalogue of the Alumni:** issued sextennially; contains the names and addresses of all graduates of the University. The current edition is that of 1900. Price, $2.00. For sale at the University Press Bookstore.

**Announcements** of the various Schools of the University are issued in the spring of each year, and contain information concerning admission, expenses, courses of instruction to be given during the coming year, and requirements for degrees. They include:

**Announcement of Columbia College,** for the work leading to the degree of Bachelor of Arts.

**Announcement of the School of Law,** for the work leading to the degrees of Bachelor of Laws and Master of Laws.

**Announcement of the College of Physicians and Surgeons,** for the work leading to the degree of Doctor of Medicine.

**Announcement of the Schools of Applied Science,** together with the special announcements of the courses in Mining Engineering, Metallurgy, Chemistry, Civil, Electrical, and Mechanical Engineering, and Architecture.

**Announcement of the Faculties of Political Science, Philosophy, and Pure Science,** for all non-professional advanced work leading to the degrees of Master of Arts, Doctor of Philosophy, and Master of Laws.

**Announcement of the Summer Session.**

**Circular of Information as to Entrance Examinations.**

**Circular of General Information,** with views of the University Buildings.

**Announcements** of several departments of the University are issued each spring, and contain full information concerning the work of the coming year in those departments. These circulars are devoted to:

Classical Philology; Comparative Literature; English; Germanic Languages and Literatures; Music; Oriental Languages; Philosophy, Psychology, Education, and Anthropology; Romance Languages and Literatures.

Unless otherwise stated, all the publications above named are distributed without charge upon application to the Secretary of Columbia University.

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Publications of Barnard College include:

**Announcement of Barnard College:** contains full information concerning admission, expenses, courses of instruction, and requirements for the degree of Bachelor of Arts.

**Dean's Report:** issued yearly.

Distributed without charge upon application to the Dean of Barnard College.

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Publications of Teachers College include:

**Announcement of Teachers College:** issued annually; contains full information concerning the organization, equipment, and work of the institution.

**Dean's Report:** issued each November.

**Circulars** describing the work of the following departments:

Domestic Science and Art; Domestic Science, describing a course in hospital economics; Fine Arts; Kindergarten; Manual Training; and Music.

These may be obtained without charge upon application to the Secretary of Teachers College.

**Circular of the Horace Mann Schools.**

May be obtained without charge upon application to the Superintendent of the Horace Mann Schools.

## II. The Columbia University Press

The Columbia University Press was organized with the approval of the Trustees of Columbia College and incorporated June 8, 1893, for the purpose of promoting the publication of works embodying the results of original research. The Press is a private corporation, relating directly to Columbia University by the provisions that its Trustees must always be officers of the University and that the President of the University shall be the President of the Press.

**Trustees**

THE PRESIDENT OF THE UNIVERSITY (*ex-officio*)
NICHOLAS MURRAY BUTLER,
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FRANCIS B. CROCKER
HENRY FAIRFIELD OSBORN
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During the year ending July 1, 1901, the Press, through The Macmillan Co., of New York and London, its publishing agents, issued *current numbers* of the following:*

Biological Series, Germanic Studies, Studies in History, Economics, and Public Law; Studies in Literature, Contributions to Philosophy, Psychology, and Education; Studies in Romance Languages and Literatures; *Columbia University Quarterly*, and *Teachers College Record.*

## III. Serial Studies and Contributions from the University

**Biological Series.**—Founded in 1892; devoted to the general problems of biology; managing editors, H. F. Osborn and E. B. Wilson; published for the Columbia University Press by The Macmillan Co., New York; issued irregularly, about one volume a year; price per volume (from 300 to 400 pages), $2.00 to $3.50.

Vol. V. The foundations of zoölogy. By W. K. BROOKS, Professor of Zoölogy, Johns Hopkins University. (8vo, pp. viii + 339, $2.50 *net.*)

**Botanical Club, Memoirs of the Torrey.**—Founded in 1889; devoted to longer articles than those contained in the Bulletin; editor, L. M. Underwood; published by the Club from Columbia University; issued irregularly, about one volume a year; $3.00 per volume; prices of parts on application.

**Botany, Contributions from the Department of.**—Founded in 1886; devoted to short papers; managing editor, L. M. Underwood; published by the editor, from Columbia University; issued irregularly, but usually one volume a year; price, per volume (about 330 pages and about 30 plates), $5.00.

No. 172. Studies in *Sisyrinchium*, VIII: *Sisyrinchium Californicum* and related species of the neglected genus *Hydastylus*. By EUGENE P. BICKNELL (1900).——No. 173. Note on the flora of South Africa. By ROLAND M. HARPER (1900).——No. 174. The insular flora of Mississippi and Louisiana. By FRANCIS E. LLOYD and S. M. TRACY (1901).——No. 175. The nomenclature of the New England *Agrimonies*. By EUGENE P. BICKNELL (1901).——No. 176. Suggestions for the study of the North American *Boletaceæ*. By LUCIEN MARCUS UNDERWOOD (1901).——No. 177. *Riccia*

* For previous issues from the Press see the *University Catalogue* for 1899–1900, pages 398–399; for 1900–1901, pages 455–456, and the full catalogue issued by The Macmillan Co.

*Beyrichiana* and *Riccia dictyospora*. By MARSHALL A. HOWE (1901).——No. 178. The genus *Teucrium* in the Eastern United States. By EUGENE P. BICKNELL (1901). ——No. 179. A preliminary contribution to a knowledge of the *Hydnaceæ*. By H. J. BANKER (1901).——No. 180. *Ceramothamnion Codii*, a new rhodophyceous alga. By HERBERT M. RICHARDS (1901).——No. 181. An enumeration of the plants collected by Dr. H. H. RUSBY, in South America, 1885–1886, XXIV–XXXI. By H. H. RUSBY (1898–1901).——No. 182. Observations on the algal genera *Acicularia* and *Acetabulum*. By MARSHALL A. HOWE. (1901).——No. 183. The work performed in the transpiration and the resistance of stems. By CARLTON C. CURTIS (1901).

**Botany, Memoirs of the Department of.**—Founded in 1895; devoted to longer monographs; managing editor, L. M. Underwood; published by the editor, from Columbia University; issued irregularly; $6.00 per volume; list on application.

**Electrical Engineering, Contributions from the Department of.**—Founded in 1889; devoted to papers by officers and students; managing editor, F. B. Crocker; published (chiefly reprints) by the editor, from Columbia University; issued irregularly; prices on application.

**English, Studies in.**—Founded in 1900; issued by authority of the Department of English; published for the Columbia University Press by The Macmillan Co.; issued at varying intervals and prices.

**Geological Department, Contributions from the.**—Founded in 1892; includes short contributions and longer monographs; managing editor, J. F. Kemp; published (partly original, partly reprints) by the editor, from Columbia University; issued irregularly; prices on application.

Vol. IX, No. 67. Fossil plants from Louisiana. By ARTHUR HOLLICK. (12 pp., 16 plates).——No. 68. The relation between forestry and geology in New Jersey. By ARTHUR HOLLICK. (26 pp., 1 map.)——No. 69. Preliminary report on the geology of Washington, Warren, and parts of Essex and Hamilton counties [N. Y.]. By J. F. KEMP and D. H. NEWLAND. (52 pp., 15 plates.)——No. 70. Pre-Cambrian sediments in the Adirondacks. By J. F. KEMP. (28 pp.)——No. 71. The re-calculation of the chemical analyses of rocks. By J. F. KEMP. (13 pp.)——No. 72. A reconnoissance of the Elizabeth Islands. By ARTHUR HOLLICK. (31 pp., 8 plates.)

**Germanic Studies.**—Founded in 1899; contain results of original research in Germanic languages and literatures; editors, W. H. Carpenter and Calvin Thomas; published for the Columbia University Press by The Macmillan Co., New York; issued irregularly; price variable.

Vol. I, No. 2. Ossian in Germany. By RUDOLF TOMBO, Jr., A.M., Ph.D. (Pp. 153 + index, $1.25.)——No. 3. The influence of Old Norse literature upon English literature. By C. H. NORDBY. (Pp. 78, $1.00.)

**History, Economics, and Public Law, Studies in.**—Founded in 1891; contain results of original research by students in the School of Political Science; managing editor, E. R. A. Seligman; published by The Macmillan Co., New York; issued one volume or more yearly; price, per volume, $3.00 to $4.50.

Vol. XIII, No. 1. The legal property relations of married parties. By ISIDOR LOEB, Ph.D. (Pp. 198, $1.50.)——No. 2 Political nativism in New York State. By

L. D. Scisco, Ph.D. (Pp. 260, $2.00.)——No. 3. The reconstruction of Georgia. By E. C. Woolley, Ph.D. (Pp. 112, $1.00.)——Vol. XIV, No. 1. Loyalism in New York during the American Revolution. By A. C. Flick, Ph.D. (Pp. 282, $2.00.) ——No. 2. The economic theory of risk and insurance. By A. H. Willett, Ph.D. (Pp. 142, $1.50.)

**Literature, Studies in.**—Founded in 1899; containing results of literary research or criticism by officers or students of the department of comparative literature, or those connected with them in study; editor, G. E. Woodberry; published for the Columbia University Press by The Macmillan Co., New York; issued at varying intervals and prices.

No. 4. The classical heritage of the Middle Ages. By H. O. Taylor. (Pp. xv + 400, cloth, $1.75.)

**Mineralogy, Contributions from the Department of.**—Founded in 1892; contains articles and text-books by officers and students; managing editor, A. J. Moses; published by the editor, from Columbia University; issued irregularly (often in reprint); prices on application.

Vol. IX, No. 4. Mineralogical notes. By A. F. Rogers.——No. 5. A list of the crystal forms of calcite with their interfacial angles. By A. F. Rogers.——No. 6. Notes on recent mineralogical literature. By A. J. Moses and L. McI. Luquer.

**Observatory, Contributions from the.**—Founded in 1892; devoted to original research; managing editor, J. K. Rees; published by the editor, from Columbia University; issued irregularly; prices on application.

No. 17. The Rutherfurd photographic measures of the group of the Pleiades (second paper). By Harold Jacoby. (Pp. 24.)——No. 18. The parallax of $\mu$ Cassiopeiæ and the positions of 56 neighboring stars as deduced from the Rutherfurd photographic measures. By George N. Bauer. (Pp. 102.)

**Pathology, Studies from the Department of.**—Founded in 1890; records results of research in the Department; managing editor, T. M. Prudden; on sale by J. T. Dougherty, New York; issued irregularly; price, per volume (about 175 pp.), $1.00.

**Philosophy, Psychology, and Education, Contributions to.**—Founded in 1894; original studies by officers and students of this division; managing editor, Nicholas Murray Butler; published by The Macmillan Co., New York; issued irregularly; per number, average, 75c.; per volume (about 450 pages), average, $3.00.

Vol. VIII, Nos. 3–4. Outlines of child study. By Edward L. Thorndike, Ph.D.
Vol. IX, No. 1. The mental life of the monkeys. By Edward L. Thorndike, Ph.D. (Pp. 57, 75c.)——No. 2. The correlation of mental and physical tests. By Clark Wissler, Ph.D. (Pp. 62, 75c.)

**Romance Languages and Literatures, Studies in.**—Founded in 1900; edited by Adolphe Cohn and H. A. Todd; published for the Columbia University Press by The Macmillan Co., New York; issued regularly at varying prices.

No. 1. Frédéric Mistral, Poet and Leader in Provence. By C. A. Downer, Ph.D. (Pp. 10 + 267, $1.50.)

### *Series Announced*

**Indo-Iranian Series.**—Founded in 1900; to contain results of work by instructors or students in the department of Indo-Iranian Languages, or others associated with them in study; editor, A. V. W. Jackson; published for the Columbia University Press by The Macmillan Co., New York; issued at varying intervals and prices. (Three volumes in preparation.)

**Oriental Literature and Philology, Contributions to.**—To be edited by Richard Gottheil.

**Physiology, Studies from the Department of.**—Founded in 1900; to contain reprints of articles published by officers and students of the department; edited by J. G. Curtis and F. S. Lee. (Three volumes in preparation.)

## IV. Journals

### *Issued under the Editorial Direction of Officers of Columbia University*

**Bookman.**—Founded in 1895; devoted to the criticism of American and foreign literature in all its forms; containing articles, book reviews, correspondence, and editorial comment upon current events; edited by Harry Thurston Peck; New York: Dodd, Mead, & Co.: monthly (136 pp.), 20c.; per year, $2.00.

**Bulletin of the Torrey Botanical Club.**—Founded in 1870; devoted to scientific botany in its widest sense; editor, L. M. Underwood; published by the editor, from Columbia University; monthly, 30c.; per year (about 600 pp. with 30 plates), $3.00.

**Columbia University Quarterly.**—Continuing, since 1898, the *Bulletin* founded in 1890; publishes articles on the history, the current activities, and the policy of Columbia, for the information of officers, alumni, and friends of the University; edited by a committee: (Chairman, for 1901, Calvin Thomas); published by the Columbia University Press; quarterly (about 106 pages), 30c.; per year, $1.00.

**Educational Review.**—Founded in 1890; devoted to the study of education in all its forms; containing articles, discussions, book reviews, foreign correspondence, and editorial review of current events; edited by Nicholas Murray Butler; New York, Educational Review Publishing Co.; monthly (except July and August), 104 pp.; per year, $3.00; foreign, $3.60.

**Journal of School Geography.**—Founded in 1897; devoted to the interests of teachers of geography; edited by Richard E. Dodge; published by the J. L. Hammett Co., Boston and New York; monthly, except in July and August (40 pp.), 15c.; per year, $1.00.

**Political Science Quarterly.**—Founded in 1886; devoted to the study of politics, economics, and public law; publishes annually about 25 leading articles, especially on questions of current interest, and about 130 reviews, and gives a condensed general record of political events; edited by the Faculty of Political Science (managing editor, W. A. Dunning); Boston and New York, Ginn & Co.; quarterly (about 190 pp.), 75c.; per year, $3.00.

**Popular Science Monthly.**—Founded in 1872; devoted to the diffusion of science; edited by J. McK. Cattell; New York, The Science Press; monthly (112 pages), 25c.; per year, $3.00.

**School of Mines Quarterly.**—Founded in 1879; official organ of the Alumni Association of the Schools of Science of Columbia University; devoted to the publication of original papers on engineering, metallurgy, chemistry, architecture, mineralogy, and geology; managing editor, R. E. Mayer; published by the editors; $2.00 a year.

**Teachers College Record.**—Founded in 1899; devoted to the practical educational problems of the Teachers College of Columbia University; edited by J. E. Russell; New York, published for the Columbia University Press by The Macmillan Co., bi-monthly, except July (about 64 pp.) 20c.; per year, $1.00.

**Torreya.**—Founded in 1901; a monthly journal of botanical notes and news; devoted to shorter articles than appear in the *Bulletin*, together with book reviews; editor, Marshall A. Howe; published by the Club; monthly, 15c.; per year, $1.00.

## *Issued with the Editorial Coöperation of Officers of Columbia University*

**Americana Germanica.**—Founded in 1897; devoted to the comparative study of the literary, linguistic, and other cultural relations of Germany and America; contains original researches, critical articles, and reviews; contributing editors include W. H. Carpenter and Calvin Thomas. New York, The Macmillan Co.; quarterly (about 112 pp.), 75c.; per year, $2.00.

**American Anthropologist.**—Founded in 1888; containing original contributions and reviews on anthropology; edited by a board, including Franz Boas. New York, G. P. Putnam's Sons; quarterly, $1.25; per year (about 800 pp.), $4.00.

**American Historical Review.**—Founded in 1896; directed to promote the interests of historical study in the United States, it publishes reviews of important works, results of original research, documents for the use of investigators, and news of the works of European scholars; six editors, including W. M. Sloane; The Macmillan Co.; quarterly; per year, $3.00.

**American Journal of Archæology.**—Founded in 1885; official journal of the Archæological Institute of America, publishing papers of the Institute and of the Schools at Athens and Rome and annual reports of these bodies, and issuing special bulletins; associate editors include J. R. Wheeler; New York, The Macmillan Co.; quarterly, $1.00; per year, $5.00.

**American Journal of Physiology.**—Founded in 1898; edited for the American Physiological Society; contains original contributions on purely physiological subjects; seven editors, including R. H. Chittenden and F. S. Lee; Boston, Ginn & Co.; monthly; per year (about 500 pp.), $5.00.

**Bulletin of the American Mathematical Society.**—Founded in 1891; a historical and critical review of mathematical science, containing also lists of new publications, notes on current events in the mathematical world, and many short original articles; editors, F. N. Cole and others; New York, The Macmillan Co.; monthly, except July and August; per year (about 500 pp.), $5.00.

**Journal of Comparative Neurology.**—Founded in 1891; devoted to the comparative study of the nervous system; includes original contributions, reviews, and notices; associate editors include O. S. Strong, with collaboration of F. S. Lee and others; published at Granville, Ohio; quarterly; per year, $3.50.

**Journal of Experimental Medicine.**—Founded in 1896; devoted to the interests of scientific medicine; associate editors include R. H. Chittenden and T. M. Prudden; New York, D. Appleton & Co.; per volume (6 parts, about 700 pp.), $5.00.

**Journal of Nervous and Mental Disease.**—Founded in 1880; devoted to special articles on diseases of the mind and the nervous system; associate editor, M. A. Starr; New York, Dr. C. H. Brown; monthly; per year, $3.00.

**Modern Language Notes.**—Founded in 1886; devoted to the interests of the academic study of English, German, and the Romance languages; associate editors include H. A. Todd; published by the editors at Baltimore; monthly, save from July to October, inclusive, 20c.; per year, $1.50; foreign, $1.75.

**Psychological Review.**—Founded in 1894; devoted to the publication of original researches in psychology, critical articles, and reviews; edited by J. McK. Cattell and J. M. Baldwin (Princeton), with the coöperation of M. Allen Starr and others; published bi-monthly, with an annual index and numerous monograph supplements; New York, The Macmillan Co.; The *Review*, 75c.; per year (about 700 pp.) $4.00; the *Index* (about 200 pp.), $1.00; the *Monographs* (about 500 pp.), $4.00 a volume.

**Science.**—Founded in 1883; devoted to the advancement of science; edited by J. McK. Cattell, with an editorial committee, including N. L. Britton, H. F. Osborn, R. S. Woodward, and others; New York, The Macmillan Co.; weekly, 15c.; per year (about 2000 pp.), $5.00.

**Transactions of the American Mathematical Society.**—Founded in 1900; devoted primarily to research in pure and applied mathematics; the official organ of the Society for the publication of important papers read before it; three editors, including T. S. Fiske; New York, The Macmillan Co.; quarterly; per year (about 500 pp.), $5.00.

## V. Student Publications at Columbia

**The Barnard Bulletin.**—Founded in 1901; a four-page sheet, issued weekly, containing a brief account of Barnard College news; 5c. a copy; $1.50 a year.

**The Columbia Jester.**—Founded in 1901; an illustrated comic paper; edited by a board of students; published twice a month during the college year; 10 pages of reading matter and illustrations and a cartoon cover; 10c. a copy, $1.50 per year by mail.

**The Columbia Law Review.**—Founded in 1901; devoted to the publication of legal articles and book reviews by writers of recognized authority, and comment upon recent cases by the editors; conducted by a board of editors, averaging sixteen in number; monthly, November to June, seventy pages; 30c. a copy; $2.00 a year.

**The Columbia Literary Monthly.**—Founded in 1893; a magazine exclusively literary, devoted chiefly to stories, verse, essays, editorials and book reviews; edited by a board, consisting generally of eight members, including a Barnard representative; monthly, November to June, 40 pages; 20c. a copy; $1.50 a year.

**The Columbian.**—The annual; a bound illustrated volume, containing statistics of athletics, fraternity membership, class achievements, and other valuable information of student life in the University for the year just past; published the week before Christmas by a board of twelve editors from the junior class, six elected from Columbia College and six from the Schools of Applied Science. The thirteenth volume was published by the class of 1903, at $1.50.

**The Columbia Spectator.**—Changed in 1899 from a weekly to a semi-weekly newspaper; published each Tuesday and Friday throughout the college year; edited by a managing board of seven, assisted by an associate staff, averaging fourteen in number; eight pages; 5c. copy; a $2.00 a year.

**The Morningside.**—Founded in 1896; an illustrated literary magazine, aiming chiefly to reflect the lighter and brighter side of Columbia life; edited by a board, averaging ten members, including a Barnard representative and an art editor; published every third week of the academic year, 20 pages; 10c. a copy; $1.00 a year.

**The Mortarboard.**—An annual corresponding to the *Columbian*, but more literary in character, including, besides the history of the junior class, poems, stories and sketches, and other reading matter; published early in the second term by a board of about eight, elected from the junior class of Barnard College; price $1.00.

**The Senior Class-book.**—A book privately printed by the senior class of Columbia College, through an editorial board, and distributed on class-day. Revived by the class of 1899 and continued by the class of 1900 as the *Naughty-Naughtian*, and by the class of 1901 as the *1901 Class-Book*, including pictures and autobiographies of the members, letters from the faculty, and the class-day speeches. The 1901 book contains 225 pages, is bound in cloth, and sells for $5.00

## Degrees Conferred during 1900-1901

### Bachelor of Arts

COLUMBIA COLLEGE

David Armstrong
Edward Wood Baker
William Francis Beers, Jr.
William Aitken Bensel
August Abraham Boehm
William Henry Boese
Victor Fitch Mount Bonsall
Elliot Williams Boone
Lewis F. Bowdish
Samuel Winter Bowne
Farrand Dodd Brower
Squire Fred Browne
Edward Bright Bruce
Herbert W. Brueninghausen
William Paul Buchler
Joseph Stettenheim Bühler
Henry Duncan Bulkley
Walter Field Burrows
Michael Hart Cardozo, Jr.
Raymond Chamberlain, Ph.B.
Frederick Pearce Delgado
Chauncey Mitchell Depew, Jr.
William Henry Dixon
George Laurence Donnellan
Aaron Phinius Drucker
Herman Duden, Jr.
Knowlton Durham
Charles Eastmond
Elisha Jay Edwards, Jr.
Kenneth Benbow Elliman
Addison Ely, Jr.
Aden Alnerian English
Paul Allen English
Arthur Ogden Ernst
Joseph Henry Esser
Charles Savage Forbes
Albert Forsch
George Kenyon Foster
Milton L. Frank
Sidney Marsden Fuerst
Pierrepont Edwards Grannis
Henry Roderick Grant
James Gray
Harris Harold Gumm
Francis Reboule Halsey
Hans Olaf Hanson
Samuel Asbury Harpending
Julian Collier Harrison
Marshall Lawrence Havey
Charles Edward Haydock
Walter James Heimann
Frederick William Justus Heuser
Richard Hogan
John Gillespie Jackson
Harold Huntington Jacocks
Frederick Vincent Jones
George Beckwith Keeler
David Frederick Kelley
Achilles Herrman Kohn
Harold Korn
Maurice Krickl
Allison Michael Lederer
Leo Lesinsky
Karl Kumler Lorenz
John Kenny Lynch
James Francis McDonnell
Peter Joseph McKeon
Harold Allison Mattice

William Henry Maxwell, Jr.
Rutherford Birchard Meyer
Edward Bedinger Mitchell
Walter Joseph Mosenthal
Stephen Payn Nash
Mark Wilber Norman
Archie Wheeler Palmer
Gordon Parker
Robert Bruce Pegram
David Gould Proctor
Warren D. Renninger
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James Sheerin
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John Boyce Smith, Jr.
Vernon Champney Stewart
Eugene Tavenner, A.B.
William Marsh Van Cise
Egbert Hammond Pinneo Ward
Sylvester L'Hommedieu Ward
Henry Wetherhorn
Robert Hooper White
James Thomas Williams, Jr.
Harry Morris Wise
Lorande Lors Woodruff
Edgar Allan Woolf

[96]

BARNARD COLLEGE

Mary Olive Barrick
Alice Beer
Edith Berry
Lisa Delavan Bloodgood
Bertha Brown
Margaret Buffington
Eliza Rhees Butler
Marie Elise Helen Cameron
Elizabeth Merle Carhart
Cerise Emily Agnes Carman
Helen Elizabeth Catlin
Isabella Mitchell Cooper
Harriet Elizabeth Cutting
Pauline Hamilton Dederer
Mary Lavinia Eaton
Mabel Elting
Elizabeth Hamilton
Lenda Tracy Hanks
Madalene Heroy
Clara Elizabeth Hudson
Isabelle Estelle Isaacs
Lillie Friedlander Jacobs
Adele Remsen Johnson
Euphemia Johnson
Hilda Emily Josephthal
Helen Agnes Kane
Olive Catherine Kellogg
Rose Lois Kraker
Eda Flora Kunz
Agnes Crawford Leaycraft
Amy Loveman
Christina Louise McKim
Mary Rathbone Morrison
Florence Oppenheimer
Bessie May Osborn
Meta Pollak
Jennie Florence Preston
Rosina Julia Rennert
Elizabeth Carpenter Roberts
Florence Lucas Sanville
Sarah Edwards Schuyler
Sissie Cecile Straus
Jannetta Gordon Studdiford
Marian Goodall Townsend
Marguerite Edith Upton
Alma Frank Wallach
Marie Louise Wehncke
May Godfrey Wendell
Cordelia Wendt
Catherine Elizabeth Whitney

[50]

**Bachelor of Laws**

William Abbe, A.B.
Rupert Wentworth Kelsall Anderson
Max Arens
Lawrence Edgar Armstrong, Ph.B., A.M.

David Archibald Aronson, B.S.
Jacob Jay Aronson, A.M.
Frederick Clark Averill, Ph.B., A.M.
Morton Knight Averill, A.B.
Louis Belmont Baker, M.D.
Warfield Clay Bennett, A.B.
Martin Birnbaum, A.M.
Eugene Blumenthal, A.B.
George Edric Brimmer
William Warren Bross, A.M.
Russell Trall Byers, Ph.B.
Adam Christmann, Jr.
Max Cohen, A.B.
John Winthrop Comey, Ph.B.
Joseph Eugene Corrigan, A.M.
Ellicott Douglass Curtis, A.B.
Ernest Wolcott Cushing, A.B.
Harry Alonzo Cushing, Ph.D.
Charles John Doherty
Irving Ephraim Doob, B.S.
William Howard Doughty, Jr., A.B.
George Edwards Duncan, A.B.
Francis Engelbert Eyanson, A.M.
Wallace Strong Farnham
Samuel Melvin Fischer, A.M.
Edward James Flanagan
Charles William Floyd, A.B.
Robert Charles Fox
Charles Fuller, A.B.
Edward Percy Gilchrist, Ph.B.
Isaac Walter Goodhue, B.D.
Harry Louis Haas, A.B.
Joseph Haber, Jr., Ph.B.
Lester Walton Hall, Ph.B.
Gustave Haussling
Harry Cornell Hazzard, A.B.
Bernard Schmaltz Heller, B.S.
Sydney Hubert Herman, A.M.
Walter Stokes Josephson
Sidney Louis Josephthal, A.B.
Emanuel Metzger Kaiser, A.B.
Harry Conrad Adolphus Kayser
Robert Berthoud Killgore
Herman Leopold Koenig
Arthur Lee, A.B.
Louis Samter Levy, A.M.
Francis Sims McGrath, B.S.
Olney Blanchard Mairs, A.B.
Martin Thomas Manton
Joseph Spencer Menline, A.M.
Nelson Dorrington Miller
Francis Xavier Mooney
Alfred Christian Mueller, LL.B.
David Sydney Myers, A.B.
Norton Perkins, A.B.
Oliver Sheppard Picher, A.B.
Mark Charles Platt, B.S.
Henry William Pollock
Herbert Frederick Raynolds, A.B.
Harold Sylvester Recknagel, A.B.
Leonard Franklin Requa, Jr.
Rodman Richardson
Beverley Randolph Robinson, A.B.
Herman Foster Robinson, A.B.
John Shillito Rogers, A.B.
S. Leo Ruslander
George Gebner Schreiber, A.B.
Allan Scott, B.S.
Prescott Alfriend Sherer, A.B.
Samuel Silbiger
Robert Leslie Smith
John Hebard Snyder, A.B.
Charles Erastus Southard, B.S.
John William Stayton, Jr.
William Bittle Symmes, Jr., A.B.
George Connell Tarler, M.S., A.M.
Theodore Charles Tebbetts, A.B.
William Hall Trigg
Robert James Turnbull, Jr., A.B.
Lucius Don Turner
Cornelius Boardman Tyler, A.B.
George Emile Vigouroux
Byron Roger Wales
Harold Walker, A.B.
Charles Whitney Ward
Lucien Thompson Warner, A.B.
Edgar Francis Waterman, A.B.
John Wendt
William Locke Whitney, A.B.

Burton Wilbur Wilson, A.B.
George Wood Wilson, B.S.
Jerome Wilzin
[98]
John Munro Woolsey, A.B.
Albert Mazzini Yuzzolino, A.B.

**Doctor of Medicine**

Jonas Adelson
Hermann Morris Adler, A.B.
Alexander John Aitcheson Alexander, A.B.
Julius Elmer Alter
Joseph Hector Bainton, A.B.
Addison Waddell Baird
Francis William Barton, B.S.
Louis Bauman
Howard Bayles
Alfred Chapman Benedict, B.S.
James Wallace Beveridge
Philip Worcester Bill, Ph.B.
Robert Franklin Bliss
John Howard Blue, B.S.
Oscar Henry Bohm
Charles Frederick Bolduan, Ph.G.
Arthur Bookman, A.B.
Harry Britenstool
Leo Buerger, A.B.
Ralph Edward Buffington
Lucius Constant Bulkley, A.B.
Douglas Walker Cairns
Herbert Richard Charlton
Walter Frank Cimiotti
Hermann Cohn
Joseph Dayton Condit, A.B.
Albert Samuel Cooke
George Eversleigh Cram, Ph.B.
Edward Lawrence Creeden, A.B.
William Daniel Cronin
Joseph Atwood Cunningham, A.B.
John Dickinson Curran, B.S.
Philip John Curran
William Darrach, A.B.
Arthur Winfield Day, A.B.
Raimundo de Castro y Bachiller, A.B.
Faust Stansfield De Long.
Dudley Brainard Deming, Ph.B.
Edward Lewis Dodd, A.B.
Francis Bernard Donohue, A.B., A.M.
James Gracey Dunseith
Walter Frederick Engel
George John Galleray Flood
Herman P. Foehrenbach, A.B.
Harvey Thompson Frazer, B.S.
Carl Fulda
Charles John Gabriel
Sparrell Simmons Gale, A.B.
Harold Carl Geyer, A.B.
James Philip Gibbs, A.M.
Curtenius Gillette, A.B.
Charles Goldman
Frederic Grosvenor Goodridge, A.B.
Gaston Greil, B.S.
Bernard Joseph Gretsch, LL.B.
Louis Grossmann
George Washington Hart
William Lewis Hartman, Ph.B.
Francis Reynolds Haussling, B.S.
Samuel Carruth Haven, A.B.
Charles Lewis Henriquez, B.S.
Frederick Grady Hodgson
Oliver Thompson Hyde, B.S.
Frank Hussy Jackson, Jr.
Charles Frederic Jellinghaus, A.B.
Willis Bryant Jones
James Robert Judd, A.B.
David Kramer
David Heine Levy
Isaac Harris Levy
James Hoyt Lewis, A.B.
Samuel Boughton Whitman Leyenberger
Edward Sanderson Loizeaux
Joseph Francis McCarthy, Phar.D.
Rob Roy McCully, Ph.G.
Edward James McEntee
William Landram McFarland

Elisha Leavenworth McGill
James Percy McKelvy
Edward Townsend McKenzie, A.B.
John Francis Wallace Meagher
Marcius Harold Merchant, B.P.
Robert Jack Mitchell
Clifford Colgate Moore
William Thomas Moynan
Thomas Aloysius Mulcahy
Serenus Lazarus Newman
Bernard Sutro Oppenheimer, A.B.
George Oscar Pelgram
Victor Seymour Pier, Ph.G.
Edwin Francis Pierce, A.B.
Frank Wilcox Pinneo
Wilfred McIlvaine Post, A.B.
Alfred Carlyle Prentice, A.M.
Perry Brower Preston
Emanuel Reinhardt, A.B.
Gibson Reynolds, A.B.
Michael Thomas Reynolds
Louis Dominick Riggio
Andrews Rogers, Ph.B.
John Jay Rogers, B.S.
James Isaac Russell, A.B.
Philip Francis Xavier Ryan, A.B., A.M.
William Charles Sandy, Jr., A.B.
Benjamin Leonard Schaeffer
Garrett Kouwenhoven Williamson Schenck, B.S.
Charles Bushfield Schildecker
Francis Alphonse Schneider
Samuel Schulhofer
Alfred Paul Schultz, A.B.
Henry William Schwartz, A.B.
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Henry George Schweitzer
James Clayton Sharp
Leander Howard Shearer, A.B.
Robert Willis Shearman, A.B.
Harry Britton Slocum
Charles Hendee Smith, B.S.
Leo Spiegel
Alexander Spingarn, B.S.
Morris Stark, B.S.
Nathan Neuville Stark, B.S.
Robert Sythoff Starr, M.A.
Benjamin Broadus Steedly
DeWitt Stetten
Edgar de Mott Stryker, B.S.
William John Teahan
Edward Cameron Thompson, A.B.
George Wilson Todd
Albert John Toering
George Wonson Vandegrift, A.B.
Philip Van Ingen, A.B.
Henry Theodor von Deesten
Clarence Le Fevre Vreeland
William Norbury Vreeland
Abraham Hirsch Wechsler
Frank Henry Weiss, Ph.G.
Clinton Stevens Westcott
Sherwood Volkert Whitbeck
William Rush Whitman, A.B.
Henry Tilton Williams
Percy Herbert Williams, A.B.
Thomas Marion Williams, A.B.
Orin Russell Witter
William Henry Woglom
Eshoo Alkus Yacobs, B.S.
Joseph Grant Yocum
Herman Fred Lange Ziegel, B.S.

**Engineer of Mines**

Homer Armstrong
Jerome M. Colman
Russell Todd Cornell
Edmund Lowry Goode
Maurice Goodman, B.S.
Ray Rhodes Hornor, B.S.
Richard Austen Lacey
John Hedges Lidgerwood, Jr., Mech.E.
Archibald McLintock
Henry Jayne Mills
David Carlyle Reed, C.E.

Frederick Taber Rubidge, B.S.
Clarence Maurice Schwerin
Edward Percy Smith, Mech.E.
Robert Crooks Stanley, Mech.E.
Alvin Arthur Steel, B.S.
John Burgoyne Stewart
Lester Strauss
Reginald Holden Thayer
Frederic Robert Weekes
Morrison Brown Yung, Ph.B.

[21]

**Civil Engineer**

George Albert Bos
Orrin Lawrence Brodie
Gustavus William Buchholz
Frank Coykendall
Richard Erwin Dougherty
William Chandler Du Bois
Harry Clifford Ford
Tobias Hochlerner
Darwin Shaw Hudson, A.B.
Milton Kempner, A.B.
Meyer Henry Lewis
William Kennedy Ludlam
Charles Edward Morrison
Rafford Pitt
James Giles Rae
Antone Joseph Roell
John Benjamin Wolff
Robert Simpson Woodward, Jr.
Morris Zipser

[19]

**Electrical Engineer**

Howard Bayne
Vivian Isaac Brandon
James Dixon
Charles Hamilton Doud, A.B.
Pier-Luigi Focardi, B.S.
William Goerwitz
Owen Augustine Havill, A.B.
Augustine Neil Lawrence
Albert Julius Levine
Benjamin Magnus
George Alfred Miller, Jr.
William Charles Morrill
Samuel Sidney New
Lindsay Reed Parker
Isaac Dayton Parsons
José Bernardo Rionda
Darrow Sage
Henry Warren Scharf
Henry Charles ter Meer
Samuel Howard Titus
Arnold von Schrenk

[21]

**Mechanical Engineer**

Julius Alsberg, A.B.
Louis William Bates, E.E.
William Henry Borden, Jr.
Lino Montalvo Colwell, B.S.
Abbott Morgan Cregier
George Gallagher Hopkins, Jr., A.B.
Gerardo Immediato, C.E.
John Augustine Meehan
David Moffat Myers
Arthur Robinson
Carl Gustav Adolph Schmidt, Jr.
John Reginald Van Horne
Lester Godfrey Wilson

[13]

**Bachelor of Science**
(Course in Chemistry)

George Benjamin Bernheim
Kaufman George Falk
Thomas Flagler Hildreth
George Canning Hubbard
William Godson Lindsay
Miles Rees Moffatt, A.B.
Robert Weise Page
William Paul Pickhardt, B.S.

[8]

**Bachelor of Science**
(Course in Architecture)

Herbert Mark Baer
Samuel Joseph Bloomingdale
Morgan Colt
William Francis Dominick, A.B.
Edward Shepard Hewitt
Lawrence Hill
Hugh Kafka, Jr.
Harold Bartlett Knight
Frederick Roosevelt Loney
Lucien Easter Smith

[10]

**Bachelor of Science**
(Course in Education)

Esther Beatty
John William Hall
Ida Minerva Hollis
Frances Fahnestock Jones
Oscar Lincoln McMurry
Belle Raynor Parsons
Irma Helen Schmelz
Maud Johanna Staber
Gertrude Tuttle

[9]

## TEACHERS COLLEGE DIPLOMAS

**Higher Diploma**

Naomi Norsworthy
Caroline Geraldine O'Grady
David Samuel Snedden, A.B.

[3]

**Secondary Diploma**

Paul Abelson, A.B.
Esmond B. Beardslee, A.B.
Edith Berry
Carrie Winifred Blair, A.B.
Marion Raymond Brown, A.B.
Margaret Buffington
Elizabeth Merle Carhart
Jane Brodie Carpenter, A.B., B.L.
Isabel Mitchell Cooper
Harriet Elizabeth Cutting
Alice Belle Dawson
Loring Holmes Dodd, A.B.
Kenneth Benbow Elliman
Mabel Elting
Lucia Hester Fish, A.B.
Charles Savage Forbes
Nelle Julia Gould, A.B.
Elizabeth Hamilton
Ida Minerva Hollis
Olive Catherine Kellogg
Mary Lovett, A.B.
John Kenny Lynch
Henry Alexander McConkey, A.B.
Christina Louise McKim
Mabel Kincheon Mason, A.B.
Harold Allison Mattice
Katherine Hedges Meigs, A.B.
Mary Rathbone Morrison
Adèle Oppenheimer
Robert Bruce Pegram
Mary Hinton Pollock, A.B.
Sarah Edwards Schuyler
Jannetta Gordon Studdiford
Martha Wilbur Watt, Ph.B.
May Godfrey Wendell
Cordelia Wendt
Franklin Zeiger, A.M.

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**Elementary Diploma**

Theodora Atwood
Dena Baer
Helen Louisa Bedell
Elizabeth Sophie Berwald
Lewis F. Bowdish
Emily Vanderbilt Brinckerhoff
Ada Ramsey Clark
Blanche Lillian Cole
Louise Fielder
Franc Estelle Foote
Frances Fahnestock Jones
Anne Bush MacLear
Janet McRae
Rosalie Pollock
Ada Maria Skinner
Maud Johanna Staber
Edith Jessie Staley
Fanny Tattershall
Maud Valentine
Herman Jay Wells
Jessie Campbell White

[21]

**Kindergarten Diploma**

Mina B. Colburn
Alice Belden Coles
Elizabeth Leavenworth
Florence Lila Palmer
Belle Raynor Parsons
Mary Cheves West

[6]

**Departmental Diploma**

Domestic Art

Adelaide Root Palmer

[1]

Domestic Science

Esther Beatty
Matie Pearl Clark
Sarah Hyams
Mary Josephine Pincomb
Irma Helen Schmelz
Gertrude Tuttle
Helen Elizabeth Westgate

[7]

Fine Arts

Glennie Dexter Comeggs
Ethel Elizabeth Foster
Phœbe Nicholas
Marguerite Henrietta Taylor
Amy Pomeroy Whittemore
Elizabeth Young

[6]

Manual Training

Lewis Alex Bacon
Anna Bogert Gausmann
Lucy Anna Linvill
Oscar Lincoln McMurry
Caroline Elsa Saam
William Amos Sargent
Emma Pitman Wilburn
Elmer Humphrey Willmarth

[8]

**MASTER OF ARTS**

William Herbert Adams,
A.B., St. Francis Xavier College, 1900.

Hermann Morris Adler,
A.B., Harvard University, 1897.

Lewis Burton Alger,
Ph.B., University of Michigan, 1897.

Homer Daniel Angell,
A.B., University of Oregon, 1900.

John Hampton Atkinson,
Ph.B., Ohio University, 1897.

Arthur Pond Baldwin,
A.B., College of the City of New York, 1876.

James Foote Barnett,
A.B., Yale University, 1891.

William Brown Bell,
A.B., Haverford College, 1900.
Marion Benedict,
A.B., Vassar College, 1900.
Milton Bennion,
B.S., University of Utah, 1897.
Carrie Winifred Blair,
A.B., Arcadia University, 1898.
Julian Walter Brandeis,
B.S., College of the City of New York, 1894; M.D., Columbia University, 1899.
Marion Raymond Brown,
A.B., Wells College, 1898.
Sidney David Brummer,
A.B., College of the City of New York, 1899.
Leo Buerger,
A.B., College of the City of New York, 1897.
Edwin Bukofzer,
B.S., Alabama Polytechnic Institute, 1900.
Lucius Constant Bulkley,
A.B., Columbia University, 1898.
Russell Trell Byers,
Ph.B., Wabash College, 1898.
Jane Brodie Carpenter,
A.B., Mount Holyoke College, 1898.
Harrison Clark, Jr.,
A.B., Columbia University, 1900.
George Stanislaus Connell,
A.B., Columbia University, 1894; LL.B., Catholic University, 1896.
William Darrach,
A.B., Yale University, 1897.
Alice Belle Dawson,
A.B., Oxford College, 1891.
Homer Munro Derr,
A.B., Leland Stanford Jr. University, 1898.
Grace Amelia Dewolf,
Ph.B., Bucknell University, 1899.
Gustave-Adolphe Leo Dionne,
A.B., Wooster College, 1893.
Loring Holmes Dodd,
A.B., Dartmouth College, 1900.
Elizabeth Hickman du Bois,
A.B., Cornell University, 1897.
David Charles Eccles,
B.S., Columbia University, 1900.
Henry Cameron Eldert,
A.B., Columbia University, 1899.
John Erskine,
A.B., Columbia University, 1900.
Francis Engelbert Eyanson,
B.L., Notre Dame University, 1896.
Robert Heyward Fernald,
B.M.E., University of Maine, 1892; M.E., Columbia University, 1898.
Walter Lynwood Fleming,
B.S., Alabama Polytechnic Institute, 1896; M.S., 1897.
Noel Bleecker Fox,
A.B., Princeton University, 1899.
Daisy Gaus,
A.B., Vassar College, 1900.
Robert Malcolm Gay,
A.B., Brooklyn Polytechnic Institute, 1900.
Juliette Golay,
A.B., Vassar College, 1894.
Jules Ecker Goodman,
A.B., Harvard University, 1899.
Maurice Goodman,
B.S., College of the City of New York, 1897.

Karl Fredrik Göransson,
Baccalaureate, Gefle (Sweden), 1897.

Nelle Julia Gould,
A.B., Smith College, 1898.

Clayton Meeker Hamilton,
A.B., Brooklyn Polytechnic Institute, 1900.

Sarah Havens Harlow,
B.S., Wellesley College, 1891.

Charles McGee Heck,
A.B., Wake Forest College, 1900.

Marianne Riddle Hodges,
A.B., Woman's College of Baltimore, 1900.

Andrew Light Horst,
A.B., Harvard University, 1900.

Hajime Hoshi,
Tokyo Shyogyo College Certificate, 1897.

Robert Edward Lee Irving,
A.B., Trinity University, 1891.

William Jones,
A.B., Harvard University. 1900.

Charles Hillel Kauvar,
A.B., College of the City of New York, 1900.

William Cullen Bryant Kemp,
LL.B., Columbia University, 1896; A.B., 1900.

Ernest Beckwith Kent,
A.B., Iowa College, 1894.

Elsie Kupfer,
A.B., Columbia University, 1899.

David Kelley Lambuth,
A.B., Vanderbilt University, 1900.

Robert Julius Lau,
A.B., Central Pennsylvania College, 1900.

William Wolfe Lesem,
A.B., Columbia University 1899.

Anna Mary Locke,
A.B., Columbia University. 1897.

Clara Denison Loomis,
A.B.. Smith College, 1900.

Mary Lovett,
A.B., Vassar College, 1900.

Charles Edward Terry Lull,
B.S., Lehigh University, 1900

Edwin Augustus McAlpin, Jr.,
A.B., Princeton University, 1900.

John Franklin McCann, Jr.,
A.B., Columbia University, 1899.

Robert Cecil McMahon,
A.B., Wesleyan University, 1900.

Mabel Kincheon Mason,
A.B., University of Toronto, 1898.

Ellen Goodrich Means,
A.B., Wellesley College, 1885.

Theodore Clarence Mitchill,
A.B., Columbia University, 1886.

Samuel Erasmus Moffett,
A.B., Columbia University, 1900.

William Underhill Moore,
A.B., Columbia University, 1900.

Caroline Louise Mourer,
A.B., Western Md. Col., 1887.

John Muirheid,
A.B., Columbia University, 1900.

Walter Hammond Nichols,
B.S., University of Michigan, 1891.

Charles Mahlon Niezer,
A.B., Indiana University, 1899; LL.B., 1900.

Colman Stuart O'Loughlin,
A.B., Yale University, 1899.
Robert Brenton Olsen.
A.B., Whitman College, 1900.
Adèle Oppenheimer,
A.B., Radcliffe College, 1897.
Evelyn Osborne,
A.B., Columbia University, 1900.
Annina Periam,
A.B., Woman's College of Baltimore, 1898.
Oscar Lewis Pond,
B.A., Indiana University, 1899.
Mary Charlotte Priest,
A.B., Columbia University, 1893.
George Payn Quackenbos,
A.B., Columbia University, 1900.
Leopold Schuyler Quackenbush,
Ph.B., Yale University, 1899.
Robert Insall Raiman,
A.B., Columbia University, 1900.
Harry Badger Reynolds,
A.B., Leland Stanford Jr. University, 1896.
Herman Simon Riederer,
B.S., College of the City of New York, 1898.
Harriet Ellen Rockwell,
B.S., Elmira College, 1890.
Edgar Walter Roovers,
A.B., Harvard University, 1899.
Robert Willis Shearman,
A.B., Columbia University, 1897.
David Samuel Snedden,
A.B., Leland Stanford Jr. University, 1897.
Leila Clement Spaulding,
A.B., Vassar College, 1899.
Henry Russell Spencer,
A.B., Colby College, 1899.
Frederick William Sperling,
A.B., College of the City of New York, 1899.
Alexander Spingarn,
B.S., College of the City of New York, 1897.
Charles William Stoddart,
A.B., Columbia University, 1900.
Nahum Isaac Stone,
Odessa Gymnasium, Testimonium Maturitatis, 1891.
Malcolm Sundheimer,
B.S., College of the City of New York, 1899.
Gilbert Tolman,
B.M.E., University of Maine, 1896.
Louise Emory Tucker,
A.B., Adelphi College, 1900.
Samuel Marion Tucker,
A.B., Wofford College, 1896.
George Wonson Vandegrift,
A.B., College of the City of New York, 1897.
Royall Charles Victor,
A.B., Leland Stanford Jr. University, 1900.
Emma Frances Wallace,
A.B., Vassar College, 1892.
Martha Wilbur Watt,
Ph.B., Brown University, 1900.
Burton Wilbur Wilson,
A.B., University of Nebraska, 1896.
William Henry Wolfe, Jr.,
Ph.B., Marietta College, 1899.
Alice Ida Wood,
B.S., Wellesley College, 1894.
Harrison King Wright,
A.B., Union College, 1899.
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## MASTER OF LAWS

Walter Wheeler Cook,
A.B., Columbia University, 1894; A.M., 1899.
[2]

William Cullen Bryant Kemp
LL.B., Columbia University, 1896; A.B., 1900.

## DOCTOR OF PHILOSOPHY

Hartley Burr Alexander,
A.B., University of Nebraska, 1897.
Dissertation: What Constitutes Metaphysical Explanation.

Grace Andrews,
B.S., Wellesley College, 1890; A.M., Columbia University, 1900.
Dissertation: The Primitive Double Minimal Surface of the Seventh Class and Its Conjugate.

Frederick Mark Becket,
B.Sc., McGill University, 1895; A.M., Columbia University, 1899.
Dissertation: Electrolysis of Fused Salts.

Walter Richard Crane,
A.B., University of Kansas, 1895; A.M., 1896.
Dissertation: Investigations on Magnetic Fluids with Reference to Magnetic Ore Concentration.

Bergen Davis,
B.S., Rutgers College, 1896; A.M., Columbia University, 1900.
Dissertation: On a Newly discovered Phenomenon Produced by Stationary Soundwaves.

Alfred Lewis Pinneo Dennis,
A.B., Princeton University, 1896.
Dissertation: Eastern Problems at the Close of the Eighteenth Century.

Charles Alfred Downer,
A.B., College of the City of New York. 1886.
Essay: Frédéric Mistral, Poet and Leader in Provence.

Alexander Clarence Flick,
A.B., Otterbein University, 1894; A.M., 1897.
Dissertation: Loyalism in New York during the American Revolution.

Arthur Cleveland Hall,
A.B., Trinity College, 1888; A.M., 1893.
Dissertation: Civilization and Crime.

Edward Frank Kern,
B.S., University of Tennessee, 1897.
Dissertation: The Quantitative Determination and Separation of Uranium.

Alfred Louis Kroeber,
A.B , Columbia University, 1896; A.M., 1897.
Dissertation: Decorative Symbolism of the Arapahoe.

Isidor Loeb,
B. S., University of Missouri, 1887; M.S., LL.B., 1893.
Dissertation: The Legal Property Relations of Married Persons.

George W. A. Luckey,
A.B., Leland Stanford Jr. University, 1894.
Dissertation: The Professional Training of Secondary Teachers in the United States.

Joseph Warren Miller, Jr.
B.S., Pennsylvania State College, 1897; A.M., Columbia University, 1899.
Dissertation: Elastic Properties of Helical Springs.

Herbert Raymond Moody,
B.S., Massachusetts Institute of Technology, 1892; A.M., Columbia University, 1900.
Dissertation: Reactions at the Temperature of the Electric Arc.

Arthur Frank Joseph Remy,
A.B., College of the City of New York, 1890; A.M., Columbia University, 1897.
Dissertation: The Influence of Judea and Persia on the Poetry of Germany.

Alfred Newton Richards,
A.B., Yale University, 1897; A.M., 1899.
Dissertation: A Chemical Study of Yellow Elastic Connective Tissue.

William August Schaper,
B.L., University of Wisconsin, 1895; A.M., Columbia University, 1898.
Dissertation: Sectionalism and Representation in South Carolina.

Louis Dow Scisco,
B.S., Cornell University, 1888; B.L., University of Michigan, 1898.
Dissertation: Political Nativism in New York State.

Nathan Stern,
A.B., Columbia University, 1898; A.M., 1899.
Dissertation: The Jewish Historico-critical School of the Nineteenth Century.

Francis Bertody Sumner,
B.S., University of Minnesota, 1894.
Dissertation: Kupfer's Vesicle and its Relation to Gastrulation and Concrescence.

Rudolf Tombo, Jr.,
B.S., College of the City of New York, 1895; A.M., Columbia University, 1898; M.S., College of the City of New York, 1899.
Dissertation: Ossian in Germany.

Leon Laizer Watters,
B.S., University of Utah, 1897; A.M., Columbia University, 1898.
Dissertation: An Analytical Investigation of Salina Officinalis, Linné.

Allan Herbert Willett,
A.B., Brown University, 1886; A.M., 1889.
Dissertation: Economic Theory of Risk and Insurance.

Stephen Seymour Wise,
A.B., Columbia University, 1892.
Dissertation: The Ethics of the Ibu Gebirol.

Clark Wissler,
A.B., Indiana University, 1897; A.M., 1899.
Dissertation: The Correlation of Mental and Physical Tests.

Edwin Campbell Woolley,
A.B., University of Chicago, 1898.
Dissertation: The Reconstruction of Georgia.

## HONORARY DEGREES

### Master of Arts

THEODORE LOW DE VINNE.

### Master of Science

Rev. FRANK D. GAMEWELL

GEORGE MOREWOOD LEFFERTS, M.D.

*Clinical Professor of Laryngology and Rhinology in the College of Physicians and Surgeons*

### Doctor of Science

ARNOLD HAGUE

*Of the United States Geological Survey*

### Doctor of Laws

RUFUS WILLIAM PECKHAM

*Associate Justice of the Supreme Court of the United States*

WILLIAM HENRY MAXWELL, A.M., Ph.D.

*Superintendent of Public Instruction in the City of New York*

## Fellows and Scholars

### University Fellows

ROBERT HENRY BRADFORD, Salt Lake City, Utah.....*Metallurgy*
University of Utah, B.S., 1895; University of Chicago, graduate student, 1895, 1896; Columbia University, Fellow in Metallurgy, 1900–1901

WILLIAM AUSTIN CANNON, Washington, Mich.....*Botany*
Stanford University, A.B., 1899, and A.M., 1900; Columbia University, Fellow in Botany, 1900–1901

SAMUEL BENJAMIN CRANDALL, New York.....*International Law*
Alfred University, B.S., 1897; Columbia University, Scholar in Public Law, 1900–1901

JAMES JOSEPH FINNIGAN, New York.....*Romance Languages*
Columbia College, A.B., 1900; Columbia University, Scholar in Romance Languages, 1900–1901

WALTER LYNWOOD FLEMING, New York.....*American History*
Alabama State College, B.S., 1896, and M.S., 1897; Columbia University, A.M., 1901

JOHN SMITH HARRISON, Orange, N. J.....*Comparative Literature*
Columbia University, A.B., 1899, and A.M., 1900; Columbia University, Scholar in Comparative Literature, 1900–1901

WILLIAM JONES, Sac and Fox Agency, Oklahoma.....*Anthropology*
Harvard University, A.B., 1900; Columbia University, A.M., 1901

EDWIN CORWIN MCKEAG, New Brunswick, N. J.....*Jurisprudence*
Rutgers College, A.B., 1896, and A.M., 1897; Columbia University, LL.B., 1900

JAMES FRANKLIN MESSENGER, Cambridge, Mass.....*Psychology*
University of Kansas, A.B., 1895; University of New Mexico, A.M., 1900; Harvard University, graduate student, 1900–1901

HENRY RAYMOND MUSSEY, Port Byron, Ill.....*Economics*
Beloit College, A.B., 1900

AUSTIN FLINT ROGERS, New York.....*Mineralogy*
University of Kansas, A.B., 1899, and A.M., 1900; Columbia University, Fellow in Mineralogy, 1900–1901

WALTER STANBOROUGH SUTTON, Kansas City, Kansas.....*Zoölogy*
University of Kansas, A.B., 1900

SATORU TETSU TAMURA, Iowa City, Iowa.....*Mechanics*
Graduate of Tokio Anglo-Japanese College, 1896; Simpson College, B.S., 1900; University of Iowa, Fellow in Mathematics and candidate for M.S., 1900–1901

HARVEY WATERMAN THAYER, Portland, Maine.....*German*
Bowdoin College, A.B., 1895; Harvard University, A.B., 1896; Student at University of Leipzig, 1898–1899.

DAVID YANCEY THOMAS, Conway, Ark.....*History*
Emory College (Oxford, Ga.), A.B., 1894; Vanderbilt University, A.M., 1898; University of Chicago, graduate student, 1898–1899

SAMUEL MARION TUCKER, Spartanburg, S. C.....*English*
Wofford College, A.B., 1896; Columbia University, A.M., 1901.

CHARLES PARTRIDGE WESTON, Orono, Me.....*Mechanics*
Maine State College, B.C.E., 1896; University of Maine, C.E., 1899

JAMES MICKEL WILLIAMS, New York.....*Sociology*
Brown University, A.B., 1898; student in Union Theological Seminary, and Columbia University, graduate student, 1899–1901

**Honorary Fellows**

ALLEN PERLEY BALL, Passaic, N. J.....*Latin*
Amherst College, A.B., *magna cum laude*, 1892, and A.M., 1895; Student at the Collège de France, 1898–1899; Columbia University, Scholar in Latin, 1899–1900; Fellow in Latin, 1900–1901

WILLIAM HARRY HECK, Raleigh, N. C.....*English*
Wake Forest College, A.B., 1897, and A.M., 1899; Columbia University, graduate student, 1899–1900, and Fellow in English, 1900–1901

ROYAL MEEKER, New York.....*Finance*
Iowa State College, B.S., 1898; Columbia University, Scholar in Political Economy, 1900–1901

**Barnard Fellow**

JOHN ALEXANDER MATHEWS, Ph.D.

**Henry Drisler Fellow**

No incumbent

**John Tyndall Fellow**

BERGEN DAVIS, A.M.

**Mosenthal Fellow**

No incumbent

**Schiff Fellow**

ULRICH BONNELL PHILLIPS, A.M.

**McKim Fellows**

CHARLES LUDWIG OTTO, B.S.
EDWARD NECARSULMER, Ph.B.

**Proudfit Fellow in Letters**

JOHN ERSKINE, A.M.

**George William Curtis Fellow**

JAMES WILFORD GARNER, B.S.

**Class of 1870 Fellow**

LEWIS BUFFET CARLL, A.M.

**Alumni Association Fellows**

(College of Physicians and Surgeons)

HENRY E. HALE, M.D., *Anatomy*
AUGUSTUS B. WADSWORTH, M.D., *Pathology*
CHARLES NORRIS, M.D., *Pathology*

**Annual Fellow in Comparative Literature**

FRANK ANDREWS FALL, A.B.

**Annual Fellow in German**

ANNINA PERIAM, A.M.

**Annual Fellow in Sociology**

JAMES BRONSON REYNOLDS, A.B.

**President's University Scholars**

CHARLES BROOKOVER, Colorado Springs, Colo. ..... *Zoölogy*
National Normal University, A.B., 1890; Ohio University, M.S., 1897; Assistant Professor of Biology, Colorado College, 1898–1901

ROBERT CARLTON CLARK, Austin, Texas ..... *History*
Add Ran University, A.B., 1895, and A.M., 1896; University of Texas, graduate student, 1900–1901

FRANK ALBEE GIFFIN, New York ..... *Mathematics*
University of Colorado, A.B., 1899, and A.M., 1900; Columbia University, graduate student, 1900–1901

WALLACE ELDEN MILLER, Winfield, Kansas ..... *Sociology*
Ohio Wesleyan University, A.B., 1897; Columbia University, graduate student, 1897–1898

HARRY HULL ST. CLAIR, Jr., New York ..... *Linguistics*
Columbia University, A.B., 1900; Scholar in Linguistics, 1900–1901

LEWIS ADDISON YOUTZ, Des Moines, Iowa ..... *Chemistry*
Simpson College (Iowa), Ph.B., 1890, and Ph.M., 1893; Columbia University, Scholar in Chemistry, 1900–1901

**University Scholars**

JOSEPH HERSHEY BAIR, Ann Arbor, Mich. . . . . *Psychology*
Lafayette College, 1897–1898; University of Michigan, Ph.B., 1900, and candidate for A.M., 1901

ENOCH MARVIN BANKS, Grantville, Ga. . . . . *Economics*
Emory College, A.B., 1897, and A.M., 1899; Columbia University, graduate student, 1900–1901.

ARTHUR HORACE BLANCHARD, Providence, R. I. . . . . *Mechanics*
Brown University, C.E., 1899

HERBERT GRANT CAMPBELL, Sheldon, Iowa. . . . . *Philosophy*
Cornell College (Iowa), Ph.B., 1896

RAYMOND CHAMBERLAIN, Milton, N. J. . . . . *Philosophy*
Illinois Wesleyan University, Ph.B., 1900; Columbia University, A.B., 1901

MICHAEL MARKS DAVIS, Jr., New York. . . . . *Economics*
Columbia University, A.B., 1900, and graduate student, 1900–1901

KNOWLTON DURHAM, New York. . . . . *American History*
Columbia University, A.B., 1901

WILLIAM OLIVER EASTON, New York. . . . . *Political Philosophy*
Wittenberg College (Springfield, O.), A.B., 1893; Columbia University, graduate student, 1900–1901

CLAUDE RUSSELL FOUNTAIN, Eugene, Oregon. . . . . *Mathematics*
University of Oregon, A.B., 1901

FREDERICK WILLIAM JUSTUS HEUSER, Brooklyn, N. Y. . . . . *German*
Columbia University, A.B., 1901

EDWARD CLARK HOOD, Colorado Springs, Colo. . . . . *Zoölogy*
Amherst College, A.B., 1897; Instructor in Zoölogy, Colorado Springs High School, 1900–1901

EDGAR SHUGERT INGRAM, Oil City, Pa. . . . . *Romance Languages*
Colgate College, A.B., 1897; Columbia University, University Scholar, 1899–1900; University of Paris, graduate student, 1900–1901

ELMER ELSWORTH JONES, Hastings, Neb. . . . . *Psychology*
Monmouth College (Ill.), A.B., 1894; University of Colorado, A.M., 1901

YETARO KINOSITA, New York. . . . . *Economics*
Hiram College (Ohio), A.B., 1899; Yale University, candidate for A.M., 1899–1900; Columbia University, graduate student, 1900–1901

MILO JAMES LOVELESS, Virden, Ill. . . . . *Administrative Law*
Western Normal College (Bushnell, Ill.), B.S., 1891; Blackburn University (Carlinville, Ill.), A.B., 1895; Chicago University, graduate student, 1895–1898

ROBERT CECIL MCMAHON, Brooklyn, N. Y. . . . . *Greek*
Wesleyan University, A.B., 1900; Columbia University, A.M., 1901

CHARLES BARCLAY MOORE, Crawfordsville, Ind.....*English*
Wabash College, A.B., 1900, and Fellow in English, 1900–1901

FRANK FIELDING NALDER, Pullman, Wash.....*Economics*
Washington Agricultural College, A.B., 1901

HENRY RUSSELL SPENCER, Skowhegan, Me.....*American History*
Colby College, A.B., 1899; Columbia University, A.M., 1901

EUGENE TAVENNER, New York.....*Latin*
University of Nashville, A.B., 1899; Columbia University, A.B., 1901

ALVAN ALONZO TENNEY.....*Sociology*
Columbia University, A.B., 1898; A.M., 1899; University scholar in Sociology, 1898–99

RAY WALTER THOMPSON, Palo Alto, Cal.....*Economics*
Stanford University, A.B., 1901

NELSON WOLCOTT WILLARD, Galesburg, Ill.....*Greek*
Knox College, A.B., 1896, and A.M., 1899; Harvard University, A.B., 1898; Columbia University, graduate student, 1900–1901

**Curtis University Scholars**

KATHARINE CAMPBELL REILEY, New York City.....*Latin*
Vassar College, A.B., 1891; Columbia University, graduate student, 1900–1901

JULIA CATHERINE STIMSON, New York City.....*Zoölogy*
Vassar College, A.B., 1901.

**O'Dwyer Scholar**

JOSEPH O'DWYER

**Alonzo Clark Scholar**

AUGUSTUS JEROME LARTIGAU, M.D.

**John D. Jones Scholar**

WILLIAM E. KELLICOTT, A.B.

**Lawrence Scholarship**

WILLIAM HAROLD HENDRICKSON

## BARNARD COLLEGE

**Hartley House Fellow**

ELSIE CLEWS PARSONS (Mrs. HERBERT PARSONS), A.M., Ph.D.

**Fiske Graduate Scholar**

No award

**Trustees Competitive Entrance Scholar**

ISABELLE MOTT

**Brooklyn Scholars**

Sallie Faulkner Fletcher
Mary Fredericka Harrison
Florence Eddy Hubbard
Emilie Josephine Hutchinson
May Amerman Johnson
Anna Josephine Kennedy
Ada Blanche Clouse Neiswender
Dora Russell Nevins
Grace Malvina Peters
Jeannette Rowland Seibert
Madeleine Dayrell Skinner

**Student on a Brooklyn Scholarship**

Helen Adelaide Fairchild

**Ella Weed Scholar**

Clare Macllelen Howard

**Veltin School Scholar**

Katharine Frances Goodyear

**Mrs. Donald McLean Scholar**

Lucy Fidelia Sherman

**Jennie B. Clarkson Scholar**

Elsbeth Kroeber

**Lucille Pulitzer Scholar**

Helen Louise King

**Emily James Smith Scholar**

Katherine Ellen Poole

**Anna E. Barnard Scholar**

Margaret Grote Elliman

**Brearley Scholar**

Laura Randolph Seguine

**Eliza Taylor Chisholm Memorial Scholar**

Nora Taylor Skinner

**Peebles and Thompson Scholar**

Ida Ethel Lewis

**Graham School Scholar**

Mabel Denton

## TEACHERS COLLEGE

### Fellows

LEWIS BURTON ALGER.....*Education and Psychology*
University of Michigan, Ph.B., 1897; candidate for the Higher Diploma, Teachers College, 1900–1901

DAVID E. CLOYD.....*Education, Philosophy*
University of Minnesota, A.B., 1901

FREDERICK ERNEST FARRINGTON.....*Education, Psychology, and Geography*
Harvard University, A.B., 1894; candidate for the Higher Diploma, Teachers College, 1899–1901.

ERNEST NORTON HENDERSON..*Education, Psychology, and Philosophy*
University of California, Ph.B., 1890; A.M., 1894.

### Manual Training Fellow

ERNEST BECKWITH KENT.....*Education, Psychology, and Sociology*
Iowa College, A.B., 1894; candidate for Higher Diploma, Teachers College, 1900–1901

### Scholars

JESSE DISMUKES BURKS.....*Education and Sociology*
University of Chicago, Ph.B., 1893; University of California, B.L., 1895.

WILLIAM PAXTON BURRIS.....*Education and Psychology*
De Pauw University, Ph.B., 1891; Harvard University, A.M., 1901

HARRY HOPKINS HUBBELL.....*Education and Latin*
Williams College, B.A., 1898

WILLIAM FRANCIS LITTLE.....*Education*
Wesleyan University, A.B., 1888; student in the University of Heidelberg, 1899–1900.

MARY MACK.....*Education and Biology*

IRA DENNISON SHAW.....*Education, Philosophy, and French*
Oberlin College, A.B., 1898

WILLIAM WALTER SMITH.....*Education and Psychology*
Princeton University, A.B, 1889; A.M., 1892; Columbia University, M.D., 1895.

ALICE BLYTHE TUCKER.....*Education and History*
Toronto University, A.B., 1896; A.M., 1901

### Southern Scholars

OELAND LAMAR BARNETT,
State Normal College, Diploma, 1898; Assistant in the Latin Department of the State Normal and Industrial College, Greensboro, N. C.

Edward Harrison Carry,
Tuskegee Normal and Industrial Institute, Diploma, 1901; teacher in Public Schools of Texas.

Darius Eatman,
University of North Carolina, B.A., 1897; Principal of Franklington High School, one year; teacher in Bingham School, Asheville, N. C.

Edward Montague Gammon,
University of Georgia, B.S., 1895; University of Chicago, graduate student; Associate Principal and Instructor in Mathematics, Preparatory School for United States Military and Naval Academies, 1899–1901.

Peter Parley Garner,
Peabody Normal College, 1895–1898; Mississippi Agricultural and Mechanical College, 1900–1901; teacher in the High School, Macon, Miss.

Hannah Howell Reddick,
Haven Normal School, Waynesboro, Ga.; teacher in Spelman Seminary, and Assistant in conducting the Peabody Institute of Georgia, 1894; teacher in the Americus Institute, Americus, Ga.

Marion Garnett Ryland,
Woman's College, Richmond, Va., B.A., M.A.; teacher in private schools and in the Woman's College, Richmond, Va.

Edna Amelia Spears,
Tuskegee Normal and Industrial Institute, Tuskegee, Alabama, 1898; Teacher in Tuskegee Normal and Industrial Institute, Tuskegee, Alabama.

Charles Winter Wood,
Beloit College, B.A., 1895; M.A., 1898; Chicago Theological Seminary, B.A., 1898; Teacher of English Literature and Elocution, Tuskegee Normal and Industrial Institute, three years.

**Hoadley Scholars**

Harriet M. Goodrich.
Mary Louisa Neer.

**Low Scholar**

Gail Harrison.

**Charlotte Louisa Williams Scholars**

Rose Freed.
Sarah Miller.

**Earl Scholar**

Russell H. Bellows,
Union College, 1889–1891; State Normal College, Albany, N. Y., 1893.

**Pierrepont Scholar**

Anne Townsend Bridgman.

**Pond Scholar**

Susanne Rebecca Miller,
University of Minnesota, 1898–1900.

**Shackelford Scholar**

Emily Pauline Locke,
Smith College, B.L., 1900.

**Tileston Scholar**

Edith Edwina Rand,
Smith College, A.B., 1899.

## Awards of Prizes and Honors, 1901

### COLUMBIA COLLEGE

### Honors

#### Highest General Honors

**Class of 1901**

HARRIS HAROLD GUMM
HANS OLAF HANSON
ELLIOTT WILLIAMS BOONE
*Society for Promoting Religion and Learning Scholar*
DAVID ARMSTRONG
*Stuart Scholar*

**Class of 1902**

ARMOUR CALDWELL

**Class of 1903**

STANLEY MEYER ISAACS

**Class of 1904**

OSCAR REMPEL HOUSTON
*Alumni Competitive Scholar*

#### General Honors

**Class of 1901**

GEORGE LAURENCE DONNELLAN
WILLIAM AITKEN BENSEL
CHARLES SAVAGE FORBES
*Parish Scholar*
EGBERT HAMMOND PINNEO WARD
FREDERICK WILLIAM JUSTUS HEUSER
*A. A. Low Scholar*
EDWARD BEDINGER MITCHELL
HERBERT FEDOR SMALL
EDWARD WOOD BAKER
JOHN BOYCE SMITH, Jr.
MICHAEL HART CARDOZO, Jr.
JOHN KENNY LYNCH
RICHARD HOGAN
WARREN D. RENNINGER
WALTER JAMES HEIMANN
ALLISON MICHAEL LEDERER
*Schiff Scholar*
EUGENE TAVENNER
*Vanderbilt Scholar*
DAVID GOULD PROCTOR
MILTON LYNDE FRANK
VICTOR FITCH MOUNT BONSALL
ARTHUR OGDEN ERNST
HENRY RODERICK GRANT
JAMES GRAY
*Vanderbilt Scholar*
CHAUNCEY MITCHELL DEPEW, Jr.
KARL KUMLER LORENZ
HENRY DUNCAN BULKLEY
HAROLD KORN
FARRAND DODD BROWER
WALTER JOSEPH MOSENTHAL
LORANDE LORS WOODRUFF

**Class of 1902**

CHARLES CHRISTIAN LIEB
FRANK HOUGHTON SEWALL
ALLAN BEACH ARNOLD BRADLEY
GEORGE CHRISTIAN OTTO HAAS
*Morgan Scholar*
KENNETH BURT HALSTEAD

PERRY DEXTER HUNT
GEORGE HENRY DANTON
*Moffat Scholar*
JAMES HAROLD HEROY
JOHN PIERCE LANGS
GILBERT OAKLEY WARD
JOSEPH GARDNER HOPKINS
*Brooklyn Scholar*
HORACE RICHMOND STURTEVANT
*Vanderbilt Scholar*
RICHARD KELLY
LOUIS PHILLIPS
EDWARD SCHUSTER
THEODORE RAYMOND ST. JOHN
*Faculty Scholar*
STANLEY KIDDER WILSON
LOUIS VERNON LEDOUX
AVERY SKINNER WRIGHT
RALPH WHITNEY CAREY
ALFRED STRATTON LAWRENCE
*Society for Promoting Religion and Learning Scholar*
HARRY LE BRUN POINIER
*Faculty Scholar*
LYLE EVANS MAHAN
HARRY GABRIEL COWEN
WALTER LESTER GLENNEY
*Alumni Competitive Scholar*
HAROLD M. HAYS
ARCHIBALD SPIERS WINSLOW
WILLIAM MARSIGLIA NESBIT
SAMUEL PIERSON LOCKWOOD
JAMES BASSETT
*Clark Scholar*
ERNEST GUNTON BUDINGTON
CLARENCE GARDNER MEEKS
HENRY KIRKLAND SMITH
REUBEN OTTENBERG
CHARLES KRUMWIEDE, Jr.
ALFRED MYER HELLMAN
CLARENCE WHITTEMORE BARTOW
BURKE PRITCHARD JENKINS
SIDNEY LEHMAN SPIEGELBERG
FLOYD RIDER WOOSTER
GEORGE HAMMOND HUNTTING
CHARLES CLYDE SPICER
JAMES BANCROFT
ROBERT BERESFORD HINCKS
*Society for Promoting Religion and Learning Scholar*
ARTHUR GARFIELD HAYS
JULIUS VICTOR HABERMAN
FREDERICK G. OPPENHEIMER
REUBEN ALFONSO MEYER
HAROLD TUTHILL SPENCE

### Class of 1903

JAMES GARFIELD MOSES
LEONARD MICHAEL WALLSTEIN
CLINTON GILBERT ABBOTT
*Alumni Competitive Scholar*
ALEXANDER OTTO BECHERT
*Hewitt Scholar*
NATHANIEL WARING BARNES
SAMUEL ABRAHAM TELLZY
*Brooklyn Scholar*
WILLIAM ALMON ANDREWS
DINO BIGONGIARI
*A. A. Low Scholar*
ROBERT SCHULMAN
LAWRASON RIGGS, Jr.
ROBERT LIVINGSTON SCHUYLER
JOHN WARNER TAYLOR
*Morgan Scholar*
DANIEL AMMEN MENOCAL
BERNARD H. RIDDER
LOUIS S. ODELL
*Clark Scholar*
HERBERT SPENCER LOVEMAN
HAROLD CHAFFEE MCCULLOM
ARTHUR FREDERICK EGNER
HAROLD SHIELDS
WALTER SCOTT SPIELGELBERG

### Class of 1904

CARLTON HUNTLEY HAYES
WALTER FRANK
HARRY ABELES
DONALD CLIFFORD BRACE
ARTHUR S. GUTMAN
CHANNING RUST TOY
*Faculty Scholar*
MURRAY HAROLD BASS

Grant Knauff
*Society for Promoting Religion and Learning Scholar*
Jaxon Knox
James Latimer Robinson
*Schermerhorn Scholar*
Emory Hill

Leib Deyo
Edward Samson Fried
John Cuthbert Sweeney
*Harper Scholar*
Charles Francis Lawson
*Alumni Association Scholar*
Leroy Heman Foote
Charles H. Loper
Edward Isenburger
*Brooklyn Scholar*

## DEPARTMENTAL HONORS

### Final Honors

*Comparative Literature*
Harris Harold Gumm
Harold Korn

### Junior Honors

*Comparative Literature*
Louis Vernon Ledoux
*English*
Armour Caldwell
Richard Kelley
*Mathematics*
Frank Houghton Sewall

### Sophomore Honors

*Classics*
Robert Livingston Schuyler
*Germanic Languages*
Walter Frank
Robert Schulman

### Chanler Historical Prize

Charles Savage Forbes

## COMPETITIVE SCHOLARSHIPS CLASS OF 1905

### Alumni Competitive Scholar

Edward Sapir

### Hewitt Scholar

W. S. Messer

### Brooklyn Scholars

Joseph Tolchinsky
J. L. Waldron
P. M. Smith

## COLLEGE OF PHYSICIANS AND SURGEONS

### Harsen Prizes for Proficiency at Examination

First Prize: William Darrach, A.B.
Second Prize: Charles Hendee Smith, B.S.
Third Prize: James Robert Judd, A.B.

### Examination Honors

Philip Van Ingen, A.B.
John Howard Blue, B.S.
Joseph Dayton Condit, A.B.
Alfred Carlyle Prentice, A.B., A.M.
Leo Buerger, A.B.
James Percy McKelvy
Robert Willis Shearman, A.B.

### Harsen Prizes for Clinical Reports

First Prize: Julius Elmer Alter
Second Prize: Herbert Richard Charlton
Third Prize: No award

### Joseph Mather Smith Prize

Frederick Randolph Bailey, M.D.

## SCHOOL OF POLITICAL SCIENCE

### Bennett Prize

George Lawrence Donnellan

### Prize Lectureships

William Zebina Ripley, Ph.D.
George James Bayles, Ph.D.

## UNIVERSITY

### H. C. Bunner Medal

No award

# DIRECTORY OF OFFICERS

B. = Barnard College.
C. = Columbia College.
E. = Engineering.
F. = Fayerweather.
H. = Havemeyer
H. M. S. = Horace Mann School.
L. = Library.
P. & S. = College of Physicians and Surgeons.
S. = Schermerhorn.
So. = South Hall.
T. = Teachers College.
U. = University
V. C. = Vanderbilt Clinic
W. = West.

| NAME | OFFICE HOURS | OFFICE | RESIDENCE |
|---|---|---|---|
| Abbe, R. Clin. Lect. | | P. & S. | 13 W. 50 |
| Abbott, H. V. Instr. | | T. | 417 W. 114 |
| Aldrich, J. Clin. Asst. | | V. C. | 106 W. 81 |
| Alline, A. L. Instr. | | T. | |
| Anderson, A. P. Curator | M. F. 9.30–12 | 504 S. | 628 Traverse, Bedford Park |
| Andrews, Grace, Asst. | M. W. 10.30–11.30 | B. 408 | 125 E. 57 |
| Anthony, Kate S. Instr. | | T. | 2337 Bway. |
| Atwood, C. E. Clin. Asst. | | V. C. | 10 W. 16 |
| Ayer, J. C. Clin. Asst. | | V. C. | 31 W. 36 |
| Bagster-Collins, E. W. Instr | M. S. 9–11 | T. 331 | 2016 7th ave. |
| Bailey, F. R. Tutor | | P. & S. | 1165 E. Jersey, Elizabeth, N. J. |
| Bailey, P. Instr. | | P. & S. | 4 W. 50 |
| Baker, C. M. Instr. | | H. M. S. | 417 W. 114 |
| Baker, F. T. Prof. | M. W. 9.15–1.15 S. 10.30 | T. 323 | 3 Prospect Terrace, Park Hill, Yonkers, N. Y. |
| Baker, G. H. Lib. Emer. | | | 294 Manhattan ave. |
| Baldwin, Elizabeth G. Lib. Teachers College | M.–F. 9.15–5 S. 9.15–1 | T. 316 | 469 Main, E. Orange, N. J. |
| Ball, A. B. Prof. | | P. & S. | 42 W. 36 |
| Banker, C. E. Asst. | | P. & S. | 235 W. 127 |
| Bargy, H. Tutor | F. 2.30–4.30 | 305 W. | Lafayette Blvd., Fort Washington |
| Barnum, Edith, Tr. | | H. M. S. | 128 Manhattan ave. |
| Barstow, D. M. Clin. Asst. | | V. C. | 21 W. 53 |
| Batchelder, Evelyn, Tr. | | H. M. S. | 416 W. 118 |

| NAME | OFFICE HOURS | OFFICE | RESIDENCE |
|---|---|---|---|
| Batchelder, Mildred I. Tr. | | H. M. S. | 417 W. 118 |
| Bayles, G. J. Prize Lect. | T. F. 4.30 | 405 L. | Orange, N. J. |
| Beebe, W. H. H. Sec. | M. W. F. 10–1; 2.30–5 | 213 L. | 425 W. 117 |
| Beeman, L. M. Sec. Teachers College | M.–F. 9–12.30; 2–5 | | |
| | S. 9.30–12.30 | T. 106 | 215 W. 100 |
| Benns, C. P. Instr. | | T. 125 | 18 Landscape ave. (Lowerre), Yonkers, N. Y. |
| Bentley, W. A. Instr. | T. Th. 3.30–4.30 | 103 H. | 237 W. 108 |
| Bickham, W. S. Asst. Instr. | | P. & S. | 922 Madison ave. |
| Bigelow, M. A. Instr. | | T. 304 | 594 W. 152 |
| Biggs, G. P. Dem. | | P. & S. | 39 E. 63 |
| Biklé, C. E. Adj. Prof. | | T. 216 | 417 W. 114 |
| Bill, E. W. Clin. Asst. | | V. C. | 40 W. 45 |
| Black, A. Instr. | T. Th. 10.30–12 | 507 E. | 521 W. 150 |
| Blake, Anne S. Tr. | | H. M. S. | 417 W. 118 |
| Blake, J. A. Instr. | | P. & S. | 601 Madison ave. |
| Boag, E. T. Asst. Registrar | | P. & S. | 3 Lenox ave., White Plains, N. Y. |
| Boas, F. Prof. | T. 11.30 Th. 1.30 | 405 S. | 123 W. 82 |
| Bogert, M. T. Adj.-Prof. | Daily 2.30–4.30 | 408 H. | 430 W. 154 |
| Bojus, G. H. Instr. Gym. | | | 14 Pearsall ave., Jersey City, N. J. |
| Bovaird, D. Tutor | | P. & S. | 126 W. 58 |
| Bradley, W. L. Clin. Asst. | | V. C. | 119 W. 75 |
| Braun, W. A. Tutor | T. Th. S. 10.30 | B. 113 | 435 W. 123 |
| Braunlich, A. R. Clin. Asst. | | V. C. | 68 W. 96 |
| Brewer, G. E. Instr. | | P. & S. | 38 W. 48 |
| Brewster, W. T. Instr. | S. 9.30–10.30 | 507 F. | |
| | T. Th. 9.30–10.30 | B. 317 | 307 W. 93 |
| Britton, N. L. Emer. Prof. | | N. Y. Botanical Garden | |
| Brooks, F. E. Instr. | | T. 231 | 465 W. 139 |
| Brooks, Mrs. G. Asst. | | H. M. S. | 465 W. 139 |
| Brouner, W. B. Clin. Asst. | | V. C. | 256 W. 12 |
| Brugman, A. F. Clin. Asst. | | V. C. | 201 W. 139 |
| Brush, Mary C. Registrar, Teachers College | M.–F. 9–5; S. 9–12 | T. 104 | 416 W. 118 |
| Bryson, Mrs. F. G. | T. 2.30–4.30; S. 10–12 | 203–205 W. | 164 W. 73 |

| NAME | OFFICE HOURS | OFFICE | RESIDENCE |
|---|---|---|---|
| Buck, A. H. Clin. Prof. | | P. & S. | 48 W. 40 |
| Budington, R. A. Asst. Dem. | | P. & S. | 243 W. 107 |
| Bull, W. T. Prof. | | P. & S. | 35 W. 35 |
| Burchell, H. J., Jr. Tutor | M. 11.30–12.30 | B. 111 | 669 Lexington ave. |
| Burdick, F. M. Prof. | T.–F. 12.30–1 | 303 L. | 633 W. 115 |
| Burgess, J. W. Prof. and Dean Sch. of Pol. Sci. | M. T. W. Th. 3.30–4.30 | 404 L. | 323 W. 57 |
| Burr, W. H. Prof. | T. Th. 1.30–2.30 | 401 E. | 151 W. 74 |
| Butler, Eliza R. Instr. | | H. M. S. | 119 E. 30 |
| Butler, N. M. Prof. and Acting President | M. W. F. 11–12; 1.30–3.30 | 213 L. | 119 E. 30 |
| Cabot, J. Clin. Asst. | | V. C. | 162 W. 46 |
| Calhoun, Mary E. Tr. | | H. M. S. | |
| Calkins, G. N. Instr. | Th. F. 10–12 | 604 S. | 1 W. 81 |
| Canfield, G. F. Prof. | T. 2.30–4.30 | 302 L. | 32 E. 33 |
| Canfield, J. H. Librarian | Daily 10–12.30 | L. | Graham Court, 7th ave. and 116 |
| Carmalt, C. C. Asst. Dem. | | P. & S. | 40 E. 58 |
| Carpenter, G. R. Prof. | T. Th. 1.30; S. 10.30 | 508 F. | 501 W. 113 |
| Carpenter, J. B. Asst. | | H. M. S. | 417 W. 118 |
| Carpenter, W. H. Prof. | T. Th. 2.30–3.30 | 316 U. | 253 W. 100 |
| Carr, M. L. Clin. Asst. | | V. C. | 353 W. 57 |
| Carss, Elizabeth, Instr. | | T. | 537 W. 141 |
| Castle, E. H. Prof. | M. 2.30–3; T. 10.30–11 | T. 322 | 359 W. 121 |
| Cathcart, W. L. Adj. Prof. | M.–F. 12.30–1.30 | 604 E. | |
| Cattell, J. McK. Prof. | T. Th. 2.30 | 413 S. | Garrison, N. Y. |
| Chambers, Mrs. Mary D. Instr. | | T. | 46 W. 108 |
| Chambers, V. J. Asst. | | | 312 W. 115 |
| Chandler, C. F. Prof. | Daily 10–5 | 303 H. | 51 E. 54 |
| Chandler, F. W. Lect. | W. 3.30–4.30 | 511 F. | 177 So. Oxford, Bklyn. |
| Chase, L. N. Tutor | W. 10 | 405 W. | 627 W. 115 |
| Chittenden, R. H. Dir. and Lect. | | P. & S. | New Haven, Conn. |
| Churchill, A. V. Prof. | W. Th. 12 | T. 427 | 2730 Bway. |
| Claiborne, J. H. Instr. | | P. & S. | 39 W. 36 |
| Clark, J. B. Prof. | M. T. W. 2.30 | 407 L. | 616 W. 113 |
| Clark, J. B. Clin. Asst. | | | 46 W. 48 |
| Coburn, E. B. Clin. Asst. | | V. C. | 313 W. 57 |
| Cochran, Katherine M. Instr. | | H. M. S. | 419 W. 118 |
| Cohn, A. Prof. | M. W. 12.30 | 309 W. | 250 W. 94 |

| NAME | OFFICE HOURS | OFFICE | RESIDENCE |
|---|---|---|---|
| Cole, F. N. Prof. | M. 2–3 | 406 C. | |
| | M. 12.30 | B. 309 | |
| Coley, W. B. Clin. Lect. | | P. & S. | 5 Park ave. |
| Coll, A. P. Clin. Asst. | | V. C. | 157 Lexington ave. |
| Colles, Julia N. Asst. | | B. | |
| Collins, H. D. Asst. Dem. | | P. & S. | 50 W. 55 |
| Comstock, W. W. Asst. | Daily 9.30–12.30 | 401 F. | 3136 Broadway |
| Cook, F. R. Clin. Asst. | | V. C. | 5 Park ave. |
| Cowen, W. Instr. | | P. & S. | 35 E. 60 |
| Cragin, E. B. Prof. | | P. & S. | 62 W. 50 |
| Crampton, C. W. Asst. | | P. & S. | |
| Crampton, H. E. Adj. Prof. | T. Th. 11–12; 2.30–3.30 | 611 S. B. 403 | 40 Morningside ave. |
| Cregier, A. M. Asst. | M.–F. 10.30–11.30 | 604 E. | 119 E. Lincoln ave., Mt. Vernon, N. Y. |
| Crocker, F. B. Prof. | M.W. 10.30–12 Tu. Th. 2.30–4.30 | 302 E. | 14 W. 45 |
| Cunningham, R. H. Clin. Asst. | | V. C. | 200 W. 56 |
| Curtis, C. C. Tutor | T. Th. 10–12 | 501 S. | 202 W. 119 |
| Curtis, E. Emer. Prof. | | | 120 Bway. |
| Curtis, J. G. Prof. | | P. & S. | 327 W. 58 |
| Cushing, H. A. Lect. | T. Th. 2.15 | 403 L. | 106 W. 105 |
| Dade, C. T. Clin. Asst. | | V. C. | 68 E. 56 |
| Daniell, Lucetta, Directress, Teachers College | M.–S. 11.30–1 | T. 107 | 8 Morningside ave. |
| Davis, W. H. Asst. | M. W. 11.30–12.30 | 412 S. | 417 Manhattan ave. |
| Davison, Ellen S. Lect. | T. 2–3; F. 1–2 | B. 406 | 61 Livingston, Bklyn. |
| Day, A. M. Instr. | M. W. F. 2.30 | 206 W. | Columbia Univ. |
| Day, W. S. Tutor | T. Th. 11.30 and 3.30 | B. 212 | 551 West End ave. |
| Dean, B. Adj. Prof. | M. T. 2 | 605 S. | Kingsbridge |
| Delafield, F. Emer. Prof. | | P. & S. | 12 W. 32 |
| Dewey, M. Secretary | | H. M. S. | |
| Dodge, R. E. Prof. | M.W. 3.30–4.30; T. 10.30–11.30; F. 11.30–12.30 | T. 203 | 12 St. Andrews pl., Yonkers, N. Y. |
| Dorman, F. A. Instr. | | P. & S. | Sloane Maternity Hospital |
| Dougherty, R. E. Asst. | | 401 E. | 244 W. 20 |
| Dow, E. L. Tutor | | V. C. | 49 W. 57 |
| Dowd, C. N. Instr. | | P. & S. | 135 W. 73 |

| NAME | OFFICE HOURS | OFFICE | RESIDENCE |
|---|---|---|---|
| Draper, W. K. Instr. | | P. & S. | 116 E. 38 |
| Dreyfus, W. E. Asst. | M.T. Th.–S. 2.30–5 | 510 H. | Amsterdam ave. cor. 120 |
| Dunn, L. B. Tutor | W. 10.30 | B. 320 | Fiske Hall, Barnard |
| Dunning, W. A. Prof. | M.W. 12.30–1 | 318 U. | 256 W. 57 |
| Dutton, S. T. Prof. and Supt. Teachers College Schools | M. W. 8.45–10; 3–5 | H. M. S. 107 | 814 West End ave. |
| Dwight, J., Jr. Clin. Asst. | | V. C. | 2 E. 34 |
| Earle, M. L. Prof. | T. Th. 2.30–3.30 | B. 209 | 462 W. 22 |
| Edgerton, J. I. Clin. Asst. | | V. C. | 36 W. 35 |
| Egbert, J. C., Jr., Prof. | M. W. F. 11.30–12.30 | 310 C. | 364 Webster ave., Jersey City, N. J. |
| Eklöf, O. R. Instr. | | T. | 127 W. 74 |
| Eliot, E., Jr., Clin. Lect. and Dem. | | P. & S. | 48 W. 36 |
| Erb, F. W., Sup. Lib. | | | 520 W. 123 |
| Evans, E. M. Tutor and Asst. | | P. & S. | 2 W. 83 |
| Falk, M. S. Tutor | | 509 E. | 63 E. 74. |
| Farnsworth, C. H. Prof. | M. 9–10; Th. 2.30–3.30; F. 1.30–3.30 | T. 118 | 419 W. 118 |
| Farrand, L. Adj. Prof. | M. W. 11.30 | 513 S. | 256 W. 85 |
| Findlay, W. Tutor | T. Th. S. 10.30 | B. 309 | 204 W. 128 |
| Finlay, G. I. Asst. | | | |
| Fisher, G. F. Bursar | M.–F. 9–5 S. 9–12 | 109 L. | 124 E. 24 |
| Fiske, T. S. Prof. | T. Th. 11.30 | 401 C. | 1692 Bway. |
| Fitz-Gerald, J. D., II., Asst. | Absent on leave | | |
| Flint, C. P. Asst. Dem. | | P. & S. | 51 W. 58 |
| Floyd, R. Asst. Dem. | | P. & S. | 115 W. 71 |
| Foote, E. M. Instr. | | P. & S. | 70 W. 35 |
| Forbes, C. S. Asst. | M.–F. 9.30–11.30 | 404 C. | 133 E. 29 |
| Forrest, Mrs. M. L. Instr. | | T. | 828 St. Nicholas ave. |
| Fowler, S. W. Clin. Asst. | | V. C. | 116 W. 103 |
| Fox, G. H. Clin. Prof. | | P. & S. | 18 E. 31 |
| Freeborn, G. C. Instr. | | P. & S. | 215 W. 70 |
| French, Isabel C. Instr. | | T. | Fiske Hall, Barnard |
| Frothingham, R. Instr. | | P. & S. | 60 W. 55 |
| Fuld, J. E. Clin. Asst. | | V. C. | 169 E. 82 |
| Gallaudet, B. B. Dem. and Instr. | | P. & S. | 62 W. 50 |
| Germann, G. B. Registrar | M.–F. 10–12; 1–3 | 109 L. | 90 Norman ave., Bklyn. |

| NAME | OFFICE HOURS | OFFICE | RESIDENCE |
|---|---|---|---|
| Gibney, V. P. Clin. Prof. | | P. & S. | 16 Park ave. |
| Gibson, L. M. Clin. Asst. | | V. C. | 158 W. 81 |
| Gibson, Mrs. M. H., Head Fiske Hall | | | Fiske Hall, Barnard College |
| Giddings, F. H. Prof. | T. 4.30; F. 2 | 403 L. | 150 W. 79 |
| Gies, W. J. Instr. | | P. & S. | 142 W. 70 |
| Gilbert, W. M., Sup. Lib. | | | Cor. 121st and Morningside ave. |
| Gildersleeve, Virginia C. Asst. | | B. 408 | 28 W. 48 |
| Gill, Laura D. Dean, Barnard College | M.–Th. 1.30–3 | B. | 434 Madison ave. |
| Gillespy, Jeannette B. Asst. | | B. 408 | 430 W. 118 |
| Gilley, W. C. Clin. Asst. | | V. C. | 59 Bank |
| Gillmore, Mary B. Tr. | | H. M. S. | 419 W. 118 |
| Gilman, G. E. Asst. T. | | | |
| Goetze, F. A. Supt. of B. & G. | M.–F. 10–11 | 110 L. | 606 W. 113 |
| Goodell, G. A. Tutor | T. W. Th. 4.30–5 | P. & S. | 284 St. Nicholas ave. |
| Goodhart, S. P. Clin. Asst. | | V. C. | 131 E. 64 |
| Goodnow, F. J. Prof. | M.–W. 4–4.30 | 404 L. | 49 Riverside dr. |
| Gottheil, R. J. H. Prof. | F. 2.30 | 309 U. | 2074 5th ave. |
| Gould, E. R. L. Lect. | | | 304 W. 78 |
| Grabau, A. W. Lect. | M. W. F. 9.30–12; T. Th. 11.30–12 | 101 S. | The Emerson, 121 and Amsterdam ave. |
| Green, N. W. Asst. Dem. | | P. & S. | 23 W. 37 |
| Griffin, H. A. Instr. | | P. & S. | Lawrence, L. I. |
| Hale, H. E. Asst. Dem. | | P. & S. | 515 Madison ave. |
| Hallock, W. Adj. Prof. | T. Th. 10.30–11 | 409 F. | 417 W. 118 |
| Hamilton, C. M. Tutor | W. F. 11.30–12.30 | 507 F. | 360 W. 123 |
| Hamlin, A. D. F. Adj. Prof. | W. 10.30–11.–30; Th. 11.30–12.30 | 613 H. | 1285 Columbus ave. |
| Harpham, Flora E. Computor | | 602 F. | Columbia Univ. |
| Harriman, C. A. Instr. | | 605 H. | 843 West End ave. |
| Harrington, T. H. Asst. | Daily 9.30–4.30 | 605 E. | Westchester, N. Y. |
| Hart, S. Clin. Asst. | | V. C. | 130 W. 59 |
| Hartley, F. Clin. Prof. and Instr. | | P. & S. | 52 W. 50 |
| Hawk, P. B. Asst. | | P. & S. | |
| Hayden, J. R. Instr. | | P. & S. | 107 W. 55 |
| Herrick, W. P. Clin. Asst. | | V. C. | |
| Hervey, W. A. Instr. | M. W. 2.30–3.30; T. 11.30 | 315 U. | 607 W. 138 |
| Higgins, J. J. Clin. Asst. | | V. C. | 23 Beekman pl. |
| Hill, E. Y. Clin. Asst. | | V. C. | 111 W. 71 |
| Hill, G. W. Emer. Lect. | | | W. Nyack, N.Y. |

| NAME | OFFICE HOURS | OFFICE | RESIDENCE |
|---|---|---|---|
| Hinrichs, G. Conductor of Music | T. 1–2.30 | 204 So. | 569 E. 178 |
| Hirst, G. M. Asst. | F. 2.30 | B. 409 | 32 W. 40 |
| Hiss, P. H., Jr. Instr. | | P. & S. | 28 N. Washington sq. |
| Hodenpyl, E. Instr. | | P. & S. | 143 W. 73 |
| Hodgson, J. H. P. Clin. Asst. | | V. C. | 29 Washington sq. |
| Holden, W. A. Clin. Asst. | | V. C. | 60 W. 39 |
| Holt, L. E. Clin. Prof. | | P. & S. | 14 W. 55 |
| Holyroyd, C. Inst. Gym. | | | 77 Manhattan |
| Hornbostel, H. F. Lect. | | | 63 William |
| Hotchkiss, Caroline W. | | H. M. S. | 268 W. 84 |
| Hotchkiss, L. W. Instr. | | P. & S. | 24 E. 54 |
| Howe, H. M. Prof. | T. Th. 3–4 | 103 H. | 27 W. 73 |
| Howland, A. C. Instr. | | T. | 235 W. 120 |
| Hubbard, E. V. Asst. | | P. & S. | 114 W. 70 |
| Hubbard, G. C. Asst. | T.–S. 2.30–5 | 206 H. | 530 W. 123 |
| Huber, F. Instr. | | P. & S. | 209 E. 17 |
| Huber, J. Clin. Asst. | | V. C. | 113 E. Bway. |
| Huntington, G. S. Prof. | | P. & S. | 251 W. 81 |
| Hurd, L. M. Clin. Asst. | | V. C. | 19 E. 38 |
| Hutton, F. R. Prof. and Dean Faculty of Applied Science | T. Th. 10.30–12.30 | 308 H. | 319 W. 107 |
| Hyslop, J. H. Prof. | Absent on leave | | |
| Jackson, A. V. W. Prof. | 10.20 | 306 U. | 16 Highland pl., Yonkers, N. Y. |
| Jackson, F. W. Instr. | | P. & S. | 68 W. 55 |
| Jackson, G. T. Instr. | | P. & S. | 14 E. 31 |
| Jacobi, A. Prof. | | P. & S. | 19 E. 47 |
| Jacoby, H. Adj. Prof. | M.W.10.30–12 | 608 F. | 333 W. 76 |
| Jaeger, C. H. Clin. Asst. | | V. C. | 24 W. 59 |
| James, W. B. Lect. | | P. & S. | 17 W. 54 |
| Jardine, J. Instr. | | H. M. S. | 254 W. 123 |
| Jarman, G. W. Instr. | | P. & S. | 54 W. 76 |
| Jelliffe, S. E. Clin. Asst. | | V. C. | 231 W. 71 |
| Jessup, D. S. D. Asst. | | P. & S. | 356 W. 21 |
| Johnstone, W. B. Asst. | W. Th. 9.30–12.30 | 210 F. | 18 W. 35 |
| Jones, A. L. Lect. | T. Th. F. 1.30 | 416 L. | |
| Jordan, D. Tutor | W. 11.30 | 301 W. | 237 W. 108 |
| Joüet, C. H. Tutor | T. Th. S. 2–2.30 | 505 H. | Roselle |
| Julien, A. A. Curator | Daily 1–3 | 303 S. | 71 E. 87 |
| Kasner, E. Tutor | T. Th. 10.30 | B. 309 | 121 E. 114 |
| Keener, W. A. Prof. | W.–F. 12.30 | Law Library | 441 Park ave. |
| Keller, Eleanor, Lect. | | B. | 13 Livingston pl. |
| Kellicott, W. E. Asst. | Daily 1.30–2.30 | B. 403 | 243 W. 107 |
| Kellogg, G. S. Curator | | T. | 470 W. 146 |
| Kemp, J. F. Prof. | M. W. F. 2.30–3.30 | 403 S. | 211 W. 139 |
| Kennedy, J. M. Clin. Asst. | | V. C. | 168 W. 97 |

| NAME | OFFICE HOURS | OFFICE | RESIDENCE |
|---|---|---|---|
| Keppel, F. P. Asst. Sec. | M.–F. 9–5 S. 9–1 | 213 L. | 239 E. 17 |
| Keppler, E. A. C. Asst. | | 310 U. | 28 W. 70 |
| Keyser, C. J. Instr. | | 407 C. | 24 Manhattan ave. |
| Kinne, Helen, Prof. | M. 11–12; 2.30–3.30 T. 11–12 3.30–4.30 W. 2.30–3.30 Th. F. 11–12 | T. 417 | 8 Morningside ave. |
| Kinnicutt, F. P. Prof. | | P. & S. | 39 E. 35 |
| Kirchwey, Clara B. Instr. | | T. | 605 W. 113 |
| Kirchwey, G. W. Prof. and Dean Law School | Daily 9–9.30; 12.30–1.30 | 206 L. | 605 W. 113 |
| Kirchwey, Mary F. Tr. | | H. M. S. | 605 W. 113 |
| Knapp, C. Instr. | M. F. 10.30 | B. 111 | 1773 Sedgwick ave. |
| Knapp, H. Prof. | | P. & S. | 26 W. 40 |
| Knox, Mary F. Registrar, Barnard College | Daily 9–5 | B. | Fiske Hall, Barnard |
| Krapp, G. P. Lect. (and Instr. T.) | T. Th. 10.30 | 508 F. | 417 W. 114 |
| Kress, M. K. Curator and Lect. | M.–F. 2.30–5 | 610 H. | 248 W. 42 |
| Krystall, B. E. Clin. Asst. | | V. C. | 53 E. 86 |
| Kurtz, E. L. Instr. | M. W. F. 9.30–10.30 | 407 E. | 414 W. 118 |
| Lambert, A. V. Asst. Dem. | | P. & S. | 2 E. 37 |
| Larkin, J. H. Tutor and Curator | | P. & S. | 498 W. 130 |
| Lartigau, A. J. Tutor | | P. & S. | Roosevelt Hospital |
| Lathrop, Susan A. Tr. | | H. M. S. | 408 W. 115 |
| Laudy, L. H. Tutor | Daily 9–5 | 313 H. | 15 W. 65 |
| Leaming, E. Instr. | | P. & S. | 117 W. 84 |
| Lee, F. S. Adj. Prof. | | P. & S. | 64 Park av. |
| Lefferts, G. M. Clin. Prof. | | P. & S. | 212 Madison ave. |
| Leshure, J. Clin. Asst. | | V. C. | 187 Convent ave. |
| Lewis, E. M. Lect. | 1.30–2.30 | 505 F. | 507 So. 7th ave. Mt. Vernon |
| Lewis, May H. Tr. | | H. M. S. | 417 W. 119 |
| Lewis, R., Jr. Instr. | | P. & S. | 48 W. 40 |
| Liggett, Mrs. N. W. Bursar Barnard College | M.–F. 10.30–4.30 S. 9.30–12.30 | B. | |
| Ling, G. H. Tutor | M. W. F. 11.30–12.30 | 408 C | 242 W. 135 |
| Lloyd, F. E. Adj. Prof. | M. W. 2.30–3.30; Th. 9.30–10.30 | T. 304 | 357 W. 118 |
| Lockwood, G. R. Instr. | | P. &. S. | 44 W. 49 |

| NAME | OFFICE HOURS | OFFICE | RESIDENCE |
|---|---|---|---|
| Lodge, G. Prof. | T. Th. 2.30–3.30 | T. 225 | 1161 Amsterdam ave. |
| Loiseaux, L. A. Instr. | M. 3.30 Th. 2.30 | 303 W. | 106 W. 105 |
| Lord, H. G. Prof. | M. W. F. 10.30–11.30 | 416 L. | 618 W. 113 |
| Lovell, E. B. Adj. Prof. | Daily 10–11 | 508 E. | 235 W. 102 |
| Luquer, L. McI. Instr. | M. W. Th. F. 2.30–4 | 306 S. | 321 W. 80 |
| McBurney, C. Clin. Prof. | | P. & S. | 28 W. 37 |
| McCord, J. S. Asst. | | 106 S. | 170 St. John's pl., Bklyn. |
| McCosh, A. J. Clin. Lect. | | P. & S. | 16 E. 54 |
| McCoy, J. J. Clin. Asst. | | V. C. | 226 W. 104 |
| McCracken, J. C., Secy. Earl Hall | M.–F. 1–4 | W. 202 | 328 W. 56 |
| McCrea, N. G. Adj. Prof. | M. W. 10.30 | 309 C. | 417 W. 118 |
| McGinnis, E. L'H. Asst. | | P. & S. | 202 W. 86 |
| McGregor, J. H. Tutor | M.T.Th.10–12 | 610 S. | 417 Manhattan ave. |
| McKim, C. L. Asst. | | H. M. S. | 69 Linden, Yonkers, N. Y. |
| McLane, J. W. Emer. Prof. and Dean School of Medicine | | P. & S. | 51 W. 38 |
| McMurry, F. M. Prof. | M. T. W. F. 3.30 | T. 313 | 26 Hamilton terrace |
| McRae, Frances E. Tr. | | H. M. S. | 81 Morningside ave. |
| McWhood, L. B. Tutor | F. 12.30 | 206 So. | Chatham, N. J. |
| MacDowell, E. A. Prof. | S. 12.30 | 203 So. | 349 Central Park, W. |
| MacHale, F. S. Clin. Asst. | | V. C. | 317 E. 87 |
| Mac Lear, A. B. Asst. | | H. M. S. | |
| MacVannel, J. A. Lect. | M.W. 2–2.30 | 420 L. | 395 Ocean ave. Bklyn. |
| Maclay, J. Adj. Prof. | M. Th. 2–3 | 404 C. | 430 W. 118 |
| Mallett, E. P. Clin. Asst. | | V. C. | Cor. 71 and Bway. |
| Mallett, G. H. Clin. Asst. | | V. C. | Cor. 71 and Bway. |
| Maltby, Margaret E. Instr. | M. W. 9.30–10.30; Th. 11.30–12.30 | B. 420 | 567 W. 113 |
| Markoe, F. H. Prof. | | P. & S. | 15 E. 49 |
| Martin, J. Tr. | | H. M. S. | |
| Martin, W. Instr. | | P. & S. | 68 W. 56 |
| Matthews, B. Prof. | T. Th. 1–1.30 | 502 F. | 681 West End ave. |
| May, C. H. Instr. | | P. & S. | 692 Madison ave. |
| Mayer, R. E. Instr. | M.–F. 2–5 | 602 E. | |
| Meeker, H. E. Clin. Asst. | | V. C. | 195 Lenox ave. |
| Mehan, Mrs. C. E., Asst. | | T. | |

| NAME | OFFICE HOURS | OFFICE | RESIDENCE |
|---|---|---|---|
| Menut, Eugenie, Instr. | | H. M. S. | 560 Park ave. |
| Metcalfe, J. T. Emer. Prof. | | | Cold Spring, N. Y. |
| Meyer, Anna E. H. Secretary, Barnard College | Daily 9–5 Sat. 9–12 | B. | 48 W. 59 |
| Michaelis, A. Clin. Asst. | | V. C. | 63 E. 110 |
| Miller, E. H. Adj. Prof. | T.–F. 11.30–12.30 | 507 H. | 312 Manhattan ave. |
| Miller, J. A. Asst. | | P. & S. | 50 E. 53 |
| Miller, S. O. Tutor | M.–Th. 2.30–4.30 | 603 E. | 118 W. 11 |
| Mills, J. M. Clin. Asst. | | V. C. | 659 Madison ave. |
| Mitchell, E. B. Asst. | 511 F. | | Linden Hill, Flushing, N. Y. |
| Mitchell, H. B. Tutor | M. W. F. 11. 30–12 | 402 C. | Linden Hill, Flushing, N. Y. |
| Mitchell, S. A. Tutor | M.W. F. 10.30–11.30 | 606 F. | 454 Manhattan ave. |
| Moffat, M. R. Asst. | | | Mamaroneck, N. Y. |
| Monroe, P. Adj. Prof. | T. Th. F. 2.30–3.30 | T. 314 | 35 Caryl ave., Yonkers, N. Y. |
| Moore, J. B. Prof. | M.–F. 9–5 | 411 L. | 524 W. 150. |
| Morgan, J. L. R. Adj. Prof. | M.–F. 2.30–3.30 | 409 H. | |
| Morrison, H. H., Asst. Supt. | | | 701 St. Nicholas ave. |
| Moses, A. J. Prof. | T.–F. 10.30 | 307 S. | Morristown, N. J. |
| Munroe, H. S. Prof. | T. Th. 11.30–12.30 | 409 E. | 501 W. 123. |
| Neish, A. C. Asst. | Daily 2–5 | 516 H. | 281 W. 119 |
| Nelson, C. A. Reference Librarian | Daily 9–5.30 | L. Reading Room | 510 W. 143 |
| Neuhaus, G. E. Clin. Asst. | | V. C. | 151 W. 95 |
| Neumann, W. F. Asst. | | P. & S | 203 E. 60 |
| Nicholas, P. C. Asst. | | T. | 223 W. 122 |
| Nitze, W. A. Tutor | M. 2.30 | 307 W. | 128 W. 103 |
| Norrie, V. H. Instr. | | P. & S. | 21 W. 37 |
| Norsworthy, Naomi, Asst. | | H. M. S. | 234 W. 122 |
| Oastler, F. R. Clin. Asst. | | V. C. | 115 E. 56 |
| Odell, G. C. D. Instr. | W. S. 10.30–11.30 | 505 F. | 44 W. 44 |
| Ogden, E. S. Asst. | | H. M. S. | |
| O'Grady, Caroline G. Instr. | | T. | Fiske Hall, Barnard |
| Olcott, G. N. Lect. and Asst. | T.–Th. 11.30–12.30 | 308 C. | 237 W. 108 |

| NAME | OFFICE HOURS | OFFICE | RESIDENCE |
|---|---|---|---|
| Ordronaux, J. Emer. Prof. | | | 30 Broad |
| Osborn, H. F. Prof. | T. 12–1 | 608 S. | 850 Madison ave. |
| Osgood, H. L. Prof. | S. 10.30–12.30 | 301 L. | 526 W. 150 |
| Page, C. H. Lect. | W. 11.30 | 305 W. | Riverside dr. and 100 |
| Parker, H. C. Inst. | M. W. F. 10–12 | 201 F. | 21 Fort Greene pl., Bklyn. |
| Parsons, F. A. Tr. | | H. M. S. | |
| Parsons, I. D. Asst. | | H. M. S. | |
| Partridge. W. T. Lect. | | 610 H. | 58 W. 57 |
| Peabody, G. L. Prof. | | P. & S. | 57 W. 38 |
| Peck, C. H. Asst. Instr. | | P. & S. | 37 W. 48 |
| Peck, H. T. Prof. | T. Th. 10 | 301 C. | 14 South, Stamford, Conn. |
| Peele, R. Adj. Prof. | M. W. F. 11.30–12.30 | 408 E. | 351 W. 114 |
| Pegram, G. B. Tutor | | 201 F. | Columbia University |
| Pellew, C. E. Adj. Prof. | M.–F. 12–1 | 414 H. | 51 E. 54 |
| Pelton, H. H. Clin. Asst. | | V. C. | 66 E. 77 |
| Pemberton, R. Clin. Asst. | | V. C. | 200 W. 88 |
| Pendleton, F. E. Asst. | M. W. F. 1.30–2.30 | E. | 127 Beech E. Orange, N. J. |
| Perry, E. D. Prof. and Acting Dean, Sch. of Philos. | M. W. (Th. by appointment only) 2.30–3.30 | 420 L. | 133 E. 55 |
| Peters, W. H. G. Asst. Bursar | | P. & S. | 383 1, Bklyn. |
| Peterson, F. Clin. Lect. and Instr. | | P. & S. | 4 W. 50 |
| Pfister, J. C. Instr. | T. Th. 9.30–10.30; 2.30–3.30 F. 2.30–3.30 | 614 F. | 240 Sixth ave. (Roseville), Newark, N. J. |
| Pollard, D. H. Asst. | M.–F. 9.30–11.30 | 404 C. | Winnipauk, Conn. |
| Pool, E. H. | | | 57 W. 45 |
| Poore, C. T. Clin. Lect. | | P. & S. | 43 W. 53 |
| Potter, N. B. Tutor | | P. & S. | 9 W. 35 |
| Pratt, E. F. Tr. | | H. M. S. | |
| Pratt, Isabelle, L. Sec. to Dean, Teachers College | | T. 103 | 221 W. 104 |
| Pratt, M. Sec. to Supt. H. M. S. | | H. M. S. | 221 W. 104 |
| Pratt, Winona M. Tr. | | H. M. S. | 417 W. 118 |
| Prescott, Harriet B., Sup. Library | | | 221 W. 44 |

| NAME | OFFICE HOURS | OFFICE | RESIDENCE |
|---|---|---|---|
| Prettyman, V. Prin. of High School | | H. M. S. 312 | 554 S. Bway., Yonkers, N. Y. |
| Price, T. R. Prof. | M.–F. 1.30–2.30 | 509 F. | 62 W. 39 |
| Proben, C. I. Clin. Asst. | | V. C. | 970 Lexington ave. |
| Prudden, T. M. Prof. | | P. & S. | 160 W. 59 |
| Pupin, M. I. Prof. | M. W. F. 11.30–12.30 | 203 E. | 280 N. Bway., Yonkers, N. Y. |
| Quackenbos, J. D. Emer. Prof. | | | 331 W. 28 |
| Queneau, A. L. T. Tutor | M.–F. 9.30–12.30 | 102 H. | 439 Manhattan ave. |
| Rea, Matilda G. Asst. | | T. | 30 W. 25 |
| Redfield, H. S. Prof. | M. T. Th. F. 2.30–3. | 305 L. | 567 W. 113 |
| Rees, J. K. Prof. | M.–Th. 2.30–3.30 | 610 F. | 1 W. 72 |
| Remy, A. F. J. Tutor | T. Th. 3.30–4.30 | 311 N. | 112 W. 137 |
| Reynolds, W. S. Clin. Asst. | | V. C. | 54 W. 94 |
| Richards, A. N. Asst. | | P. & S. | 346 W. 57 |
| Richards, C. R. Prof. | M. W. 3.30–4.30 F. 11.30–12.30 | T. 122 | 230 W. 105 |
| Richards, H. M. Instr. | M. W. F. 10.30–12.30 T. Th. 11.30–12.30 | B. 316 | 307 W. 93 |
| Ringwalt, R. C Lect. | T. 4.30 | F. 507 | 32 E. 28 |
| Ripley, W. Z. Prize Lect. | | | |
| Robbins, Ida E. Tr. | | H. M. S. | 417 W. 118 |
| Robinson, J. H. Prof. | T. Th. 2.30–3.30 W. F. 3.30–4 | 318 U. | 170 W. 85 |
| Robinson, W. S. Instr. | | T. | 202 W. 74 |
| Rogers, J. D. Lect. | T.Th.2.30–3 | 306 C. | 296 Manhattan ave. |
| Rogers, L. E. Tr. | | H. M. S. | |
| Rogers, Mary, Instr. | | T. | 138 W. 93 |
| Rood, O. N. Prof. | F. 12.30 | 307 F. | 395 Lexington ave. |
| Rouillion, L. Instr. | | T. | 509 W. 112 |
| Rouland, W. A. Instr. | | | |
| Runyan, Mary D. Prof. | T. W. Th. F. 11.30 M. W. 3.30 | T. | 417 W. 118 |
| Russell, J. E. Prof. and Dean Teachers College | Daily 11.30–12.30 | T. 101 | 317 W. 103 |

| NAME | OFFICE HOURS | OFFICE | RESIDENCE |
|---|---|---|---|
| Savage, W. L. Dir. Gym. | M.–Th. 9.30–1; T. F. 5–6.30 | U. | 606 W. 113 |
| Schenck, Aletta V. W. Instr. | | T. | 165 Lenox ave. |
| Schussler, Amy, Tr. | | H. M. S. | 474 W. 150 |
| Schuyler, S. E. Asst. | | H. M. S. | 531 Madison ave. |
| Seikel, G. R., Inst. Gym. | | | 316 W. 115 |
| Seligman, E. R. A. Prof. | T. Th. 3–3.30 | 409 L | 324 W. 86 |
| Sever, G. F. Adj. Prof. | | 504 E. | 102 and Central Pk. W. |
| Seward, Mary, Instr. | | H. M. S. | 250 W. 94 |
| Sheldon, W. H. Asst. | M. W. F. 1.30–2.30 | 416 L. | 1161 Amsterdam ave. |
| Shepherd, W. R. Tutor | T. Th. 3.30 | 321 U. | 930 West End ave. |
| Sherman, F. D. Adj. Prof. | T. Th. 10.30–11.30 | 603 H. | 202 W. 103 |
| Sherman, H. C. Tutor | T. Th. 11.30–12.30 | 509 H. | 1161 Amsterdam ave. |
| Shimer, H. W. Asst. | | 101 S. | |
| Shotwell, J. T. Lect. | M. W. 11.30–12.30 | 317 U. | 201 W. 101 |
| Shrady, A. M. Clin.Asst. | | V. C. | 1 W. 68 |
| Silver, L. M. Clin. Asst. | | V. C. | 103 W. 72 |
| Simkhovitch, V. G. Sup. Lib. | | | 248 E. 34 |
| Simpson, W. K. Instr. | | P. & S. | 952 Lexington ave. |
| Sleffel, C. C. Instr. | M.–F.9–11.30 | T. 32 | 554 W. 125 |
| Sloane, W. M. Prof. | F.10.30–11.30 | 301 L. | |
| Smith, D. E. Prof. | M.T.Th.1.30; F. 2.30 | T. 212 | 430 W. 116 |
| Smith, E. R. Sup. Lib. | | | Columbia University |
| Smith, Munroe, Prof. | Th. F. 2.30–3.30 | 404 L. | 635 W. 115 |
| Smith, W. R. Lect. | | | 363 W. 123 |
| Snelling, G. T. Instr. | T. Th. 10.30–11 | 602 H. | 56 W. 33 |
| Solley, F. P. Tutor | | P. & S. | 33 W. 53 |
| Sondern, P. F. Clin. Asst. | | V. C. | 19 E. 38 |
| Sour, B. Clin. Asst. | | V. C. | 68 W. 97 |
| Speranza, C. L. Adj. Prof. | T.3.30; Th.2 | 304 W. | 153 E. 72 |
| Spingarn, J. E. Tutor | M. W. F. 12–1 | 401 W. | 118 E 58 |
| Sprague, S. E. Clin. Asst. | | V. C. | 246 W. 74 |
| Starr, M. A. Prof. | | P. & S. | 5 W. 54 |
| Stein, J. B. Clin. Asst. | | V. C. | 30 W. 15 |
| Stevens, G. E. Asst. | | T. | |
| Stevens, Ellen Y. Instr. | | H. M. S. | 419 W. 118 |
| Stiefel, B. W. Clin. Asst. | | V. C. | 127 E. 73 |
| Stone, H. F. Lect. | M. T. W 9.25 | 412 L. | 930 West End ave. |
| Stone, W. S. Instr. | | P. & S. | 1730 Broadway |

| NAME | OFFICE HOURS | OFFICE | RESIDENCE |
|---|---|---|---|
| Strong, C. A. Lect. | S. 12.30 | 407 S. | Lakewood, N. J. |
| Strong, O. S. Tutor | T.W.10–11.30 | 612 S. | 417 Manhattan ave. |
| Sumner, A. E. Instr. | | P. & S. | 122 W. 58 |
| Sutherland, Louise C. Instr. | | T. | |
| Swift, G. M. Instr. | | P. & S. | 20 W. 55 |
| Taylor, A. S. Asst. Instr. | | P. & S. | 152 W. 57 |
| Taylor, R. W. Clin. Prof. | | P. & S. | 40 W. 21 |
| Terrell, A. G. Clin. Asst. | | V. C. | 406 W. 57 |
| Terry, C. T. Lect. | M. T. Th. F. 4.15–4.30 5.30–6 | 414 L. | 23 E. 77 |
| Thacher, J. S. Dem. | | P. & S. | 33 W. 39 |
| Thomas, C. Prof. | T. Th. 10.30 | 312 U. | 501 W. 113 |
| Thomas, T. G. Emer. Prof. | | | 600 Madison ave. |
| Thorndike, E. L. Adj. Prof. | M. W. F. 10.-30–11.30 | T. 324 | 530 W. 123 |
| Thurber, S. W. Clin. Asst. | | V. C. | 251 W. 73 |
| Timme, W. Clin. Asst. | | V. C. | 158 W. 95 |
| Tingle, A. Asst. | M.–F. 5–5.30 | 505 H. | 16 E. 131 |
| Todd, H. A. Prof. | | | |
| Tolman, G. Asst. | M.–F. 9.30–10.30 | 303 F. | 779 Steinway ave., L. I. C. |
| Tombo, R., Sr. Tutor | M. Th. 10.30–11.30 | B. 113 | 587 Walton ave. |
| Tombo, R., Jr. Tutor | M. 11.30 Th. 1.30 | 313 U. | 619 W. 138 |
| Townsend, F. Tutor | Daily 9.30–11.30 | 505 E. | 173 5th ave. |
| Trent, W. P. Prof. | T. Th. 10–10.30;12.30 | 502 F. | |
| | M. W. 9.30–10.30 | B. 317 | 279 W. 71 |
| Trenwith, W. D. Clin. Asst. | | V. C. | 140 W. 94 |
| Trowbridge, C. C. Tutor | Daily 10.30–12.30 | 401 F. | St. Anthony Hall, 116 and Riverside dr. |
| Tucker, S. A. Tutor | Daily 9.30–5 | 421 H. | 81 E. 56 |
| Tufts, F. L. Tutor | M. Th. 10.30 | 409 F. | |
| Tuttle, G. M. Prof. | | P. & S. | 38 W. 52 |
| Tyson, H. H. Clin. Asst. | | V. C. | 47 W. 51 |
| Uhlig, W. C. Asst. | | P. & S. | 251 W. 123 |
| Underhill, L. B. Tr. | | H. M. S. | 417 W. 118 |
| Underwood, L. M. Prof. | M. F. 9.30–11.30 | 506 S. | The Latham, Morningside ave. and 122 |
| Updegraff, H. Asst. | M. T. W. Th. 2.30 | 421 L. | 372 Manhattan ave. |

| NAME | OFFICE HOURS | OFFICE | RESIDENCE |
|---|---|---|---|
| Van Amringe, J. H. Prof. and Dean of Columbia College | W. F. 1.30 | 205 C. | 26 W. 25 |
| Van Arsdale, May B. Instr. | | T. | 414 W. 118 |
| Van De Water, G. R. Chapl. | M.–F. 9.30–10.30 | 201 W. | 7 W. 122 |
| Van Zandt, Margaret | | | 608 W. 113 |
| Von Saltza, C. F. Instr. | Absent on leave | T. | |
| Voorhees, J. D. Tutor | | P. & S. | 126 W. 58 |
| Vosburgh, A. S. Asst. Dem. | | P. & S. | 40 W. 88 |
| Vulté, H. T. Instr. | Daily 1–2 | P. & S. | 33 Park ave., New Rochelle, N. Y. |
| Wadsworth, A. B. Asst. | | P. & S. | 112 W. 55 |
| Wallace, C. Clin. Asst. | | V. C. | 165 W. 80 |
| Ware, W. R. Prof. | M. Th. F. 11–12 | 607 H. | 130 E. 27 |
| Warren, C. P. Tutor | | | 48 W. 9 |
| Warren, G. W. Lect. and Organist | M.–F. 8.45–9.30 | 305 S. | 316 W. 82 |
| Watterson, Ada, Asst. | M. 10.30 | B. 313 | 153 W. 84 |
| Way, Charlotte M. Asst. | | T. | 145 W. 117 |
| Weick, C. W. Instr. | | 119 T. | 554 W. 125 |
| Weir, R. F. Prof. | | P. & S. | 11 E. 54 |
| Weiser, Lucy H. Instr. | | T. | 419 W. 117 |
| Wells, K. Tr. | | H. M. S. | |
| Wells, J. S. C. Instr. | Th. 11.30–12.30 | 513 H. | |
| Welzmiller, L. R. Clin. Asst. | | V. C. | 347 W. 57 |
| Wheeler, J. R. Prof. | T. Th. 10.30 | 304 C. | 433 W. 117 |
| Whitaker, M. C. Tutor | M.W.F.10–1 | 303 H. | 475 W. 159 |
| Whiting, C. A. Tutor | | P. & S. | 70 W. 47 |
| Whitman, R. Instr. | | P. & S. | 126 W. 59 |
| Whittemore, Laura B. Tr. | | H. M. S. | 8 Morningside ave. |
| Williams R. H. Instr. | | H. M. S. | 235 W. 120 |
| Wilson, E. B. Prof. | T. W. Th. 10–12 | 609 S. | 305 W. 78 |
| Winchester, M. C. Tr. | | H. M. S. | Hotel Endicott, 81 and Columbus ave. |
| Wohlfarth, Julia H. Prin. El. Sch. | | H. M. S. 105 | |
| Wood, F. C. Instr. | | P. & S. | 205 W. 57 |
| Wood, T. D. Prof. | Daily 9–12; 2–4 | T. 217 | 419 W. 118 |
| Woodberry, G. E. Prof. | W. 11.30–12.30 | 511 F. | |
| Woodhull, J. F. Prof. | M.–F. 10.30–11.30 | T. 413 | 610 Van Cortlandt Park ave., Yonkers, N. Y. |
| Woodward, B. D. Adj. Prof. | | B. | 462 W. 22 |

| NAME | OFFICE HOURS | OFFICE | RESIDENCE |
|---|---|---|---|
| Woodward, R. S. Prof. and Dean School of Pure Science | M. W. F. 11.30–12.30 M. Th. 3.30 | 406 F. | 408 W. 145 |
| Woolman, Mrs. Mary S. Adj. Prof. | M. 11.30–12 T.Th.2–2.45 | T. 416 | 21 W. 101 |
| Woolson, I. H. Instr. | | 308 E. | 201 Franklin, Astoria, L. I |
| Yohannan, A. Lect. | W. 2.30 | 308 U. | 321 W. 118 |
| Young, C. H. Adj. Prof. | T. 2.30–3 | 306 C. | 312 W. 88 |

## DIRECTORY OF STUDENTS

The italic letter following the name indicates the school in which the student is primarily registered—as follows:

*c* College
*l* School of Law
*m* School of Medicine
*p* School of Pure Science
*ph* School of Philosophy
*pl* School of Political Science
*s* Schools of Mines, Chemistry, Engineering, and Architecture
*b* Barnard College
*t* Teachers College

The numbers 1, 2, 3, and 4 preceding these letters indicate the class; sp, special student; gr, graduate student in the professional schools.

The names of women are printed in italics.

NOTE.—"Longfellow Hall" and "Whittier Hall" (University Dormitories for women) are situated at the corner of Amsterdam ave. and 120th st.

Aarons, S. H. 3 *l* 130 E. 76
Abbott, C.G. 3 *c* 45 Lafayette pl.
Abbott, M. gr *t* 10 W. 126
Abel, S. 3 *m* 71 E. 105
Abeles, H. 2 *c* 177 W. 102
Abell, W. M. *pl* P. O. Box 599
Abendroth, W. P. 2 *s* 549 W. 152
Abraham, H. 3 *s* 13 W. 89
Abramowitz, H. *ph* 154 W. 100
*Abrams, E. M. 4 t* *Fiske Hall, Barnard College*
Abrams, S. D. 1 *m* Inwood, Long Island
Abreu, L. G. 3 *s* 23 Morningside ave.
Abrons, H. 1 *m* 116 E. 102
Ache, P. S. 2 *l* 358 W. 123
Acker, A. J. 2 *s* 239 W. 49
Acton, H. W. 3 *l* 118 W. 118
Adams, A. E. 3 *c* 306 W. 115
Adams, H. C. 1 *l* 121 W. 127
Adams, J. B. 3 *l* 23 W. 10
*Adams, J. B. 2 b* *416 W. 118*
Adams, J. K. 4 *m* 77 Washington, E. Orange, N. J.
Adams, J. W. gr *t* 2049 7th ave.
Adams, M. T. sp *s* 20 Morningside ave.
Adams, P. A. 3 *m* 33 W. 65
Adams, R. A. 2 *m* 16 St. Nicholas pl.
Adams, W. H. 1 *l* 129 W. 85
*Addoms, J. A. 3 b* *1088 Prospect pl., Bklyn*
*Adey, M. H. 2 b* *445 Lenox ave.*
Aery, W. A. 2 *c* 211 Clinton
*Affeld, A. gr t* *873 President, Bklyn*
Agate, F. J. 2 *c* 627 W. 115
Ager, J. W. 3 *s* 296 Carlton ave., Bklyn
Agnew, J. C. 2 *s* 354 W. 120
Aicher, F. A. 2 *s* 417 W. 114
Akin, A. J., 2d, 2 *c* 64 W. 49
Albers, H. Jr., 3 *l* 240 Decatur, Bklyn
Albert, H. W. 1 *c* 724 Ocean ave., Jersey City
Alexander, G. M. 2 *m* 132 W. 111
Alexander, L. B. 2 *s* 940 St. Nicholas ave.
Alger, L. B. gr *t* 3135 Bway
Allen, A. H. 2 *m* 129 W. 61
*Allen, B. 4 t* *204 W. 114*
Allen, B. G. 2 *m* 210 W. 69
Allen, C. 2 *s* 202 W. 103

*Allen, C. G. 1 b* *67 W. 73*
Allen, C. L. 2 *m* New Brighton, N. Y.
Allen, D. G. 3 *m* 65 Central Park, W.
*Allen, E. 4 b* *Fiske Hall, Barnard*
*Allen, E. D. gr t* *417 W. 118*
*Allen, L. B. ph* *184 W. 135*
Allen, T. H. 2 *c* 6 W. 107
Allen, W. C. gr *t* 336 W. 48
Allen, W. F. 3 *c* 601 W. 148
*Aller, G. P. 4 b* *183 S. Oxford, Bklyn*
*Allis, L. V. 3 t*
*Allyn, E. I. ph* *457 W. 123*
*Alsberg, E. 4 b* *40 W. 94*
Alsberg, H. G. 2 *l* 40 W. 94
*Alsop, G. F. 3 b* *96 Remsen, Bklyn*
Ames, E. H. 3 *m* 37 Clinton ave., Jersey City
Amsel, C. S. 1 *l* 230 E. 117
Anderson, G. 1 *s* 411 W. 117
Anderson, H. B. 1 *l* 419 W. 128
*Anderson, H. B. 1 b* *505 Lockwood, Astoria, N. Y.*
*Andrews, A. L. 2 b* *149 E. 63*
Andrews, W. B. 3 *m* 352 W. 55
Angell, H. D. 2 *l* 526 W. 123
*Ansbacher, B. H. 3 t* *127 W. 95*
Ansley, G. H. 3 *l* 521 W. 123
Ansorge, M. C. 3 *c* 102 W. 132
Anspacher, L. K. 3 *l* 77 E. 116
*Apgar, A. C. 3 t* *Ashley pl., Trenton, N. J.*
Aplington, H. W. 3 *s* 143 W. 85
*Appell, E. M. 2 b* *30 N. 10th ave., Mt. Vernon, N. Y.*
*Applegate, C. M. 2 b* *Newburgh, N. Y.*
*Archbold, A. M. sp t* *20 E. 37*
Argall, G. 2 *s* 358 W. 123
Arkell, J., Jr. 1 *s* 369 W. 125
Armand, L. J. 3 *t* 550 W. 149
Armington, H. H. 2 *m* 33 W. 65
Armstrong, E. B. 1 *m* 607 River, Paterson, N. J.
*Armstrong, K. 4 b* *Fiske Hall, Barnard*
*Arnaud, L. G. 2 b* *672 10, Bklyn*
Arndtstein, L. 2 *l* 413 E. 51
Arnold, J. L. *p* 407 W. 146
Arnold, J. W. 1 *c* 121 W. 74
Arnold, S. N. 2 *s* 98 Hudson Terrace, Yonkers
Aronson, L. S. 2 *m* 72 Rivington
Asch, D. 3 *c* 114 W. 64
Asch, J. J. 4 *m* 780 Lexington ave.
Ashley, E. 2 *s* 747 St. Nicholas ave.
Ashley, R. E. 3 *s* 358 W. 123
Assenheimer, E. M. 2 *m* 323 E. 51
Atkins, A. W. 1 *s* 519 W. 123
Atkins, G. C. 4 *c* 195 Bway
Atkins, J. N. 4 *c* 411 W. 117
Atkinson, J. H. *ph* 210 W. 123
Atwater, C. O. 3 *t* 308 W. 126
Atwood, C. P. *ph* 152 Lexington ave.
Auchincloss, H. 1 *m* 24 E. 48
Auerbach, H. S. 1 *s* Hotel Empire
*Auerbach, M. gr t* *152 E. 61*
*Austin, M. R. 4 t* *70 W. 47*
Avery, O. T. 2 *m* 477 W. 22
Avery, S. R. sp *c* 205 Buena Vista ave., Yonkers, N. Y.

Babcock, H. H. 1 *l* 19 W. 46
*Bacchus, J. S. sp b* *239 Gates ave., Bklyn*
Bach, F. A. 1 *c* 55 E. 80
Bachman, F. P. gr *t* 210 W. 123
Bacon, D. R. 2 *s* 430 W. 118
*Bacon, H. E. ph* *44 Irving pl.*
*Bacon, M. K. 2 b* *Fiske Hall, Barnard*
Badanes, S. *ph* Flushing, L. I.
Baff, M. 4 *m* 884 10th ave.
Bailey, N. C. *p* 530 W. 123
Bair, J. H. *ph* 520 W. 123
Baird, W. E. 3 *l* 305 W. 112
Baker, C. A. 3 *l* 294 Manhattan ave.
Baker, C. F. 4 *m* 250 Mulberry, Newark
Baker, F. C. *pl* 314 W. 23
Baker, F. R. 3 *m* 441 W. 57
*Baker, M. T. gr t* *522 W. 123*
Bakerman, J. J. 3 *c* 62 Ave. B
Baldwin, A. P. gr *t* 1244 Pacific, Bklyn
*Baldwin, F. T. ph* *417 W. 118*
Baldwin, W. S. 2 *s* 310 W. 115
Ball, C. E. A. 1 *m* 153 Valley, S. Orange, N. J.
*Ball, M. E. P. 3 b* *606 W. 113*
Bama, L. 3 *m* 108 E. 87
Bambach, G. F. 3 *c* 982 6th ave.
*Bamberger, A. C. J. 3 b* *152 W. 73*
Bamberger, S. M. 2 *s* 2094 5th ave.
Bamman, F. G. 1 *l* "The Grantley," 557 W. 124
Bancroft, J. 4 *c* 694 Madison ave.
Bandler, M. E. 2 *m* 228 Edgecombe ave.

Banister, R. L. 2 *m* 206 Roseville ave., Newark
Banks, E. M. *pl* 235 W. 123
Banse, F. R. 1 *m* 844 E. 165
*Banta, M. gr t* *3289 Bway*
Barber, W. C. 1 *l* Port Richmond, S. I., N. Y.
Barker, P. M. 1 *m* 339 W. 71
*Barker, S. R. 1 b* *Irvington, N. Y.*
Barnert, C. 2 *m* Paterson, N. J.
Barnert, M. 2 *s* 284 Ellison, Paterson, N. J.
Barnes, H. 3 *m* 358 W. 55
*Barnes, M. W. sp b* *1 W. 81*
Barnes, N. W. 3 *c* 85 Lander, Newburgh, N. Y.
Barnes, R. L. sp *s* 85 Willowdale ave., Montclair, N. J.
Barnett, J. F. *pl.* 30 W. 44
*Barnett, O. L. 2 t* *416 W. 118*
Barney, J. W. 1 *s* 101 E. 38
*Barney, M. I. 3 t* *318 Cumberland, Bklyn*
Baron, S. J. 1 *l* 8 Mitchell pl.
*Barr, B. ph* *Fiske Hall, Barnard College*
*Barrett, D. V. 2 t* *261 W. 132*
Barrett, F. J. 1 *m* 1167 Dean, Bklyn
Barrett, H. H. 3 *m* 119 W. 96
Barrett, J. M. 3 *l* 10 W. 90
*Barrett, M. F. sp b* *19 Elm, Bloomfield, N. J.*
Barrick, S. L. 1 *c* 20 Elizabeth, Jersey City
*Barron, H. A. 3 t* *25 Dominick*
Barrows, W. B. 1 *c* 20 Central ave., Tompkinsville, N. Y.
Bartholomae, H. J. 3 *l* 161 W. 75
Bartholomew, R. B. 3 *c* Riverside dr. and 116, St. Anthony Hall
Bartlett, F. H. 1 *m* 174 W. 93
Bartlett, L. S. 1 *m* 42 W. 60
Bartoccini, A. 4 *s* 203 E. 116
Bartow, C. W. 4 *c* Astoria, N. Y.
Bartrum, W. C. 2 *m* 310 W. 56
Bass, M. H. 3 *c* 57 W. 91
*Bassett, C. B. 3 t* *Longfellow Hall*
*Bassett, E. W. 1 b* *26 W. 129*
Batchelor, C. B. 1 *c* 318 W. 57
Bates, C. D. *pl* 41 E. 69
*Bates, E. K. gr t* *Longfellow Hall*
Bates, G. 1 *s* 505 W. 112
Bates, J. G. 1 *l* 113 W. 72
Bates, W. S. 2 *c* 425 Post road, Port Chester, N. Y.
Bateson, C. E. W. 4 *s* 257 W. 88
Bauchelle, J. F. 2 *s* 604 W. 114
Bauer, C. H. sp *s* 258 W. 130
Bauernebl, A. J., Jr. 1 *s* 430 18th ave., Newark
Baumgard, H. G. 1 *m* 125 Manhattan ave.
Baumgarten, C. 3 *s* 312 E. 70
Bavetta, V. sp *c* 819 Willoughby ave., Bklyn
Bayne, S. F. gr *t* 407 W. 145
Beach, R. M. 4 *m* 434 6, Bklyn
*Beaman, E. 4 t* *Longfellow Hall*
*Beardshear, H. L. 3 t* *457 W. 123*
Beattie, W. H. 3 *m* 318 W. 56
Becher, M. M. 1 *l* 126 E. 109
Bechert, A. O. 3 *c* 118 Jefferson, Bklyn
*Beck, E. sp b* *9 E. 17*
Beck, E. C. A. 3 *m* 37 E. 31
Becker, F. J. 4 *c* 53 8th ave.
Becket, F. M. *p* 318 W. 57
Beckhardt, M. *ph* 333 E. 119
*Beckwith, F. A. pl* *46 E. 21*
*Bedell, E. G. 4 t* *523 W. 123*
Beebe, C. H., Jr. 2 *c* Bayton, Englewood, N. J.
*Beecher, M. A. gr t* *72 W. 124*
*Beeckman, F. L. 1 b* *141 W. 104*
*Beegle, M. P. 3 t* *262 W. 107*
Beekman, C. C. 3 *l* 509 W. 142
Beekman, F. sp *c* 55 5th ave.
Beekman, H. R. 3 *c* 35 W. 17
Beers, W. F., Jr. 2 *l* San Remo Hotel, 75 and Central Park, W.
Beers, W. H. 3 *s* 544 W. 113
Beha, J. L. 2 *c* 273 W. 114
*Behr, Elsa, gr t* *869 President, Bklyn*
Behrman, S. 1 *s* 120 E. 3
*Beifeld, M. M. 2 b* *302 W. 138*
*Belcher, F. E. 4 b* *Mt. Vernon, N. Y.*
*Belcher, S. D. pl* *419 W. 118*
Belden, M. Van Z. 1 *l* 410 West End ave.
Bell, A. McD. 2 *m* 100 Scotland, Orange, N. J.
*Bell, F. E. 1 b* *132 12, L. I. City*
Bell, H. W. 4 *m* 112 E. 64
Bell, W. B. 2 *l* 478 Central Park, W.
*Beller, Wilhelmina C. gr t* *55 E. 112*
Bellows, R. H. gr *t* 436 W. 124
*Benedict, A. sp b* *86 Hancock, Bklyn*
Benedict, F. N. 2 *s* 505 W. 112
*Bengley, A. sp t* *301 W. 112*

Benham, W. L. 1 *s* 147 W. 90, c/o Hatch
Benjamin, H. I. 2 *s* 316 W. 91
Bennett, F. H. gr *t*
*Bennett, G. G. 1 b* *323 State, Hackensack, N.J.*
Bennett, H. B. *pl* 414 W. 118
Bennett, J. A. 1 *m* 105 W. 72
Benson, C. 1 *s* Nyack, N. Y.
*Benton, E. 3 t* *273 Lenox ave.*
Bentz, G. H. 3 *m* 309 E. 86
Benziger, B. A. 3 *l* New Brighton, N.Y.
Benziger, G. J. 1 *l* New Brighton, N. Y.
Benzley, A. sp *t* 301 W. 112
*Berg, C. de L. ph* *52 W. 83*
Berg, W. N. 2 *s* 331 E. 88
*Bergen, E. G. 4 b* *156 Garfield pl., Bklyn*
Berghane, F. A. gr *t* 21 W. 119
*Berkeley, F. C. 4 b* *University Dormitory*
Berliner, R. W. 3 *s* 145 W. 78
Berlinicke, H. R. 1 *l* 122 W. 137
*Bernays, J. 1 b* *121 W. 119*
Bernstein, G. W. 3 *s* 106 E. 19
Bernstein, L. P. 1 *m* 132 Broome
Berrien, C. L. 3 *s*
*Bertholf, K. I 3 t* *201 W. 85*
Betowski, L. S. 4 *m* 147 W. 61
Beyer, A. H., Jr. 3 *s* 510 Warwick, Bklyn
Beyer, R. P. 3 *l* 511 E. 117
Biegeleisen, J. Z. 2 *m* 146 Stanton
Bigelow, L. S. *ph* 1 W. 72
*Biggin, F. I. 1 b* *533 W. 145*
Biglow, L. C. 2 *s* 604 W. 114
Bigongiari, D. 3 *c*
Billig, C. A. *pl* 41 E. 69
Birkhahn, R. C. sp *c* 1186 Madison ave.
*Birmingham, M.C. 2 t* *139 E. 31*
Bishop, O. M. 3 *s* 419 W. 118
Bishop, R. N. 3 *s* 542 W. 113
Bissell, P. 4 *m* 9 W. 64
Black, M. F. 2 *m* 345 W. 57
Black, R. E. 1 *m* 361 W. 55
Black, R. F. *ph* 41 E. 69
Black, R. P. 2 *s* 305 W. 112
*Blackford, G. R. 3 t* *412 W. 115*
Blake, C. H., Jr. 2 *c* Englewood, N. J.
*Blake, M. 4 t* *12 Highland ave., Jersey City*
Blancard, W. 2 *m* 328 E. 87
Blanchard, A. H. *p* 530 W. 123
Blauner, S. 2 *m* 134 Rivington
Bleich, S. D. 4 *s* 129 Cannon
Bleyer, A. 1 *s* 449 E. 57
Blickensderfer, C. 1 *s* 536 W. 114
Bliss, D. C. gr *t* 724 Kearny ave., Kearny, N. J.
Bloch, B. I. 3 *l* 89 W. 134
Bloch, H. 1 *l* 334 E. 87
Block, M. 3 *m* 222 E. Bway
Block, S. J. 1 *l* 86 E. 111
*Bloodgood, L. D. ph* *320 Clermont ave., Bklyn*
Bloom, D. M. 3 *m* 155 Plane, Newark
Bloomfield, A. J. 1 *c* 80 W. 105
Blumenthal, H. A. 1 *l* 27 E. 95
Blumgart, L. 3 *m* 266 S. Orange ave., Newark
*Boak, M. gr t* *534 E. 163*
Boardman, C. I. 2 *l* 227 W. 122
Bockstulzky, B. J. 1 *m* 227 Clinton
Bode, W. A. 1 *s* 1855 7th ave.
Bodenheimer, M. 3 *m* 336 E. 50
Boehm, A. A. 1 *l* 41 W. 89
Boehm, L. C. 2 *l*
Boese, W. H. 2 *m* 702 E. 158
Bogaley, P. sp *m* 896 8th ave.
Bogart, P. N. 3 *l* 174 W. 126
Bogue, F. T. 1 *c* 836 Union, Bklyn
Bogue, M. G. 2 *l* Riverside dr. cor. 116
*Bohn, F. T. sp t* *1268 Amsterdam ave.*
Boisse, P. S. 1 *s* 137 E. 73
Bolles, M. N. 3 *s* 243 W. 109 c/o Mrs. Fraser
Boltom, A. T. 1 *s* Boston road, near 175
Bondy, J. 2 *m* 515 E. 86 c/o M. Greditzer
Bonnell, C. H. 4 *m* 71 W. 49
Bonner, M. H. 2 *l* 411 W. 117
Bonsall, V. F. M. *ph* 160 W. 95
Bonynge, H. A., Jr. 1 *m* 931 Washington, Hoboken
*Boorman, E. S. S. 1 b* *Fort Washington, City*
Booss, F. E. 1 *s* 123 W. 131
*Boote, G. E. 4 b* *46 Livingston ave., Yonkers, N. Y.*
Booth, F. H. 4 *m* Elmhurst, N. Y.
Bopp, W. F. 2 *m* 39 7th
Borden, J. H. 3 *m* 52 W. 130
Bordwell, W. P. 1 *l* 225 W. 106
Borsody, A. 2 *s* 325 E. 82
*Boss, A. M. 1 b* *161 E. 82*
*Bostwick, S.W. 3 t 44 1st pl., Bklyn*
Boswell, J. A. 1 *m* 2362 7th ave.

Bottomley, W. L. 1 *s* 254 W. 132
Boughton, W. gr *t*
82 E. 18, Bklyn
*Boulger, M. R. 2 b*
*53 St. Nicholas ave.*
Bourke, J. F. 1 *m* 144 W. 12
Bovey, J. M., Jr. 2 *c*
*Bower, M. L. 4 t* *522 W. 123*
Bowie, W. B. 1 *s*
171 Madison, Bklyn
Bowles, H. T. 3 *s* 2780 Bway
Bowman, J. F. 2 *m*
Montclair, N. J.
Boyd, C. S. 1 *m* 362 Willis ave.
Boyd, W. B. 1 *m* 40 Perry
Boyesen, A. K. 3 *c* 61 E. 52
Boyesen, B. H. 1 *c* 61 E. 52
Boyle, E. M. 2 *l* 334 W. 19
Boynton, A. J. *pl* 416 W. 118
Boynton, W. H. 1 *s* 605 E. 139
Brace, D. C. 2 *c*
Bracker, M .H., Jr. 4 *m* 97 2d ave.
*Brackett, A. S. sp b*
*945 Lexington ave.*
Bradford, R. H. gr *s* 412 W. 124
Bradley, A. B. 3 *s*
356 West End ave.
Bradley, A. B. A. 4 *c* 304 W. 83
Bradley, C. M. 1 *l* 134 W. 117
Bradley, G. R. 1 *s* 23 W. 68
Bradley, J. A. 4 *s* 19 W. 124
Bradley, R. H. 1 *c* 187 Lenox ave.
Bradley, W. E. 1 *s*
356 West End ave.
Brady, H. W. 1 *m* 134 E. Bway
Brady, J. E. 1 *l* 356 W. 118
Brady, J. S. 1 *m* 245 W. 36
Brady, L. H. 3 *s* 354 W. 120
Brady, T. J., Jr. 1 *s* 42 W. 75
Brancato, P. 1 *m* 238 W. 32
Brand, A. 2 *m* 232 E. 7
Brands, C. 1 *c* 409 Park ave., Paterson, N. J.
Brann, H. A., Jr. 1 *l*
527 Manhattan ave.
Branower, W. 2 *m*
208 Rivington
Brasted, R. S. 1 *l* 430 W. 118
Braun, A. 4 *m* 847 E. 163
Braun, J. 1 *m* 296 E. 3
Braunstein, R. 1 *s* 417 W. 117
Bray, W. I. 3 *t* Cliffside, N. J.
Breed, R. H. 2 *m* 107 W. 74
Breneman, H. C. 4 *s* 413 W. 117
Brennglass, J. 3 *m* 1478 1st ave.
Bridge, G. A. 4 *m* 144 W. 65
*Bridgman, A. T. 4 t* *157 W. 123*
Briggs, Y. 3 *c* 435 W. 117
Brill, A. 3 *m* 620 E. 5
Brinckerhoff, H. C. 3 *c*
416 W. 118
Brine, F. J. 2 *l* 416 W. 118
Brittam, A. A. 1 *c*
1020 Bloomfield, Hoboken
*Broadhurst, J. 3 t*
*Edgewater, N. J.*
*Broder, E. M. sp b* *250 Broome*
Brody, H. W. 1 *m* 134 E. Bway
Bronson, E. S. 1 *s*
Yale Club, W. 44
Brookover, C. *p* 242 W. 123
*Brooks, A. M. gr t* *Whittier Hall*
Brooks, J. L. *ph* 505 W. 138
Broome, E. C. gr *t* 2053 7th ave.
Brophy, W. J. 3 *m* 129 W. 64
*Brown, A. E. 1 b* *47 Albion pl., Port Richmond, N. Y.*
Brown, A. J. 3 *m* 36 E. 69
Brown, B. 1 *s* 416 W. 118
Brown, E. D. 1 *l*
14 Morningside ave.
Brown, E. G. *ph* 481 W. 145
Brown, E. L. 4 *s* 614 W. 152
Brown, F. E. 3 *m*
591 Hancock, Bklyn
Brown, H. S. 4 *c* 316 W. 115
*Brown, J. L. 4 b* *528 W. 123*
*Brown, M. P. 3 t* *419 W. 118*
Brown, R. M. 1 *m* 231 W. 71
Brown, S. 4 *m* Sanford Hall, Flushing, L. I.
Brown, S. 3 *s* 131 W. 95
Brown, S. R. *pl* 41 E. 69
Browne, D. H. sp *c* 121 W. 91
Bruce, E. B. 1 *l* 116 W. 113
Brun, E. A. 1 *m* 165 W. 71
Bruner, E. T. 1 *l* 340 W. 85
Bruning, H. F. 1 *m*
410 Henry, Bklyn
*Brunn, F. M. gr t* *430 Grand ave., Bklyn*
*Brush, J. W. 4 t* *416 W. 118*
Brussel, L. M. 3 *c* Hotel Savoy
Bryant, M. D. 1 *m*
195 Lenox ave.
Bryant, W. S., Jr. 2 *c*
412 W. 115
Bucher, H. 1 *t* 162 E. 61
Buchler, W. P. 2 *l* 200 W. 111
*Buckingham, E. 1 b* *632 W. 148*
*Buckingham, E. M. ph* *126 E. 28*
Buckmaster, F. C. 3 *s*
Yonkers, N. Y.
*Budd, M. H. 4 b*
*University Dormitory*
Buddington, E. G. 4 *c*

Buell, J. A., Jr. 4 *m*
478 Decatur, Bklyn
Buell, T. R. 1 *s* 7 W. 127
Bugbee, H. G. 3 *m* 342 W. 56
Bühler, J. S. 1 *l* 411 W. 117
Bull, A. 3 *m* 620 E. 5
Bull, I. C. *p* 373 Manhattan ave.
Bull, W. T. 4 *m* 237 W. 108
Bullard, O. 4 *c* 411 W. 117
Bulley, G. W. 1 *s* 417 W. 114
Bullowa, J. G. M. 3 *m* 46 E. 66
Bullowa, R. J. M. 2 *l* 46 E. 66
Bunimowitz, E. 1 *m*
271 Madison
*Bunnell, E. H. gr t* *520 W. 123*
*Bunting, M. p* *147 W. 82*
Burbidge, T. A. 2 *s* 544 W. 113
Burch, T. H., Jr. 1 *s* 106 W. 57
*Burchard, A. T. gr t* *Longfellow Hall*
Burdick, C. G. 3 *m* 42 E. 35
Burdick, L. DeL. *pl* 41 E. 69
*Burfitt, L. R. G. 3 t*
*Park Hotel, Orange, N. J.*
Burford, M. G. 3 *m*
83 S. 9, Bklyn
Burke, J. J. gr *t* 220 E. 49
Burks, J. D. gr. *t* 557 W. 124
Burnett, H. L., Jr. 1 *c* 7 E. 12
Burnham, R. F. 2 *s*
584 West End ave.
*Burr, M. O. gr t* *Longfellow Hall*
Burrell, N. M. 3 *l* 248 W. 75
Burris, W. P. gr *t*
82 Morningside ave.
Burrows, F. W. 1 *l* 606 W. 113
Burrows, W. F. 2 *m*
Elizabeth, N. J.
Burtis, W. E. 2 *s*
30 S. Elliott pl., Bklyn
*Burton, H. W. 4 b*
*Woodside, N. Y.*
Busch, A. H. 1 *c* 333 E. 17
Busck, G. J. 4 *m* 28 E. 20
*Bush, E. H. pl*
*1161 Amsterdam ave.*
*Bushong, E. G. 2 b*
*Fiske Hall, Barnard*
Busse, F. A. 3 *s* 202 W. 108
Bussmann, A. H. 4 *s*
186 Chestnut, Bklyn
Butler, B. F., 3 *c* 19 W. 89
*Butler, F. S. 2 t*
*41 Essex ave., Orange, N. J.*
Butler, G. H., Jr. 3 *c*
964 5th ave.
Butterfield, W. H. 1 *s*
85 Chestnut, E. Orange, N. J.
Butts, A. C., Jr. 4 *m*
1004 Trinity ave.
*Butts, E. 2 b* *518 Hudson, Hoboken, N. J.*
*Byington, M. F. pl* *Longfellow Hall*
Byrd, F. O. 2 *m* 69 Park ave.
*Byrne, J. 3 t* *181 Lexington ave.*
*Byrne, M. C. 1 b*
*656 Monroe, Bklyn*
Byrnes, J. C. *ph* 21 W. 132

Cabot, G. D. 3 *s* 34 Clinton pl., Mt. Vernon, N. Y.
*Cahen, E. J. 2 b*
*353 Central Park, W.*
*Cahn, A. G. 3 b* *16 W. 131*
Caldwell, A. 4 *c* 156 W. 123
*Calhoun, E. S. 1 b* *201 W. 100*
Camp, A. R. 2 *s* 311 W. 104
*Campbell, E. P. 4 b* *419 W. 118*
Campbell, H. G. *ph*
1293 Amsterdam ave.
*Campbell, M. M. ph* *Walker rd. W. Orange, N. J.*
*Campbell, Mrs. P. R. ph*
*1293 Amsterdam ave.*
Campbell, R. 2 *s* 371 W. 120
Campbell, S. 3 *s* 333 N. Broad, Elizabeth, N. J.
Campbell, W. gr *s* 322 W. 115
Cane, M. H. 2 *l* 62 E. 80
*Canfield, D. F. ph* *Graham Court, 116 and 7th ave.*
Cannon, J. R. 3 *m*
Irvington-on-Hudson
Cannon, W. A. *p* 138 W. 109
Cantle, H. C. 3 *m* 354 W. 24
Canto, I. H. 1 *c*
Capito, G. B. 3 *m* 318 W. 57
Caples, B. H. 3 *m* 3136 Bway
*Caples, Mrs. E. J. sp b* *3136 Bway*
Capron, H. S. *pl* 50 E. 70
Carbo, L. A. 2 *s*
121 St. Nicholas ave.
Cardozo, E. A. 3 *l* 45 E. 65
Cardozo, M. H., Jr. 1 *l* 45 E. 65
*Carey, H. W. 4 t* *522 W. 123*
Carey, R. W. 4 *c* 205 W. 85
Carlebach, W. M. 1 *s* 136 W. 86
Carleton, R. A. W. 1 *s*
Edgewater, N. J.
Carleton, S. *p* 62 W. 49
*Carll, L. A. 4 b* *Whitestone, L. I.*
Carlson, C. O. *ph* 171 E. 62
Carlsson, C. P. 2 *c* 260 William
Carnahan, L. 1 *s* 249 W. 116
Caroline, H. 1 *c* 70 Forsyth
Carpender, J. N., Jr. 4 *m* 415 W. 57

*Carpenter, A. C. sp b*
*Fiske Hall, Barnard*
Carpenter, C. S. 1 *l* 166 Railroad ave., White Plains, N. Y.
Carpenter, H. N. 1 *s*
1293 Amsterdam ave.
*Carpenter, L. J. 1 b* *309 King, Port Chester, N. Y.*
Carpenter, W. S. 2 *c*
1293 Amsterdam ave.
Carrington, W. 3 *s* 310 W. 115
Carroll, A. 1 *s* 9 W. 38
Carry, E. H. 2 *t* 327 W. 35
Carstensen, G. A. *ph* 15 E. 31
Carter, J. P. 4 *c* 130 E. 24
*Carter, M. H. sp b*
*Fiske Hall, Barnard*
Carter, N. McL. 3 *m* 33 W. 82
Carter, R. W. 2 *m* 60 W. 58
Carter, T. P. sp *c* 40 W. 59
*Casamajor, A. ph*
*372 Greene ave., Bklyn*
Casamajor, L. 3 *c*
372 Greene ave., Bklyn
Cassebeer, E. W. 1 *s* 205 W. 70
*Cathcart, G. L. 1 b*
*Fiske Hall, Barnard*
Catron, J. W. 2 *s* 413 W. 117
*Cazin, A. 3 t* *1108 Bloomfield, Hoboken, N. J.*
Chace, A. F. 3 *m* 318 W. 57
Chaffee, R. N. 1 *l* 520 W. 123
Chamberlain, A. R. 1 *m* 45 W. 32
*Chamberlain, E. ph* *33 E. 75*
Chamberlain, R. *ph* Milton, N. J.
Chamberlin, C. S. 2 *s*
315 E. 16, Bklyn
Chambers, C. 1 *l*
215 Lincoln pl., Bklyn
Champion, J. C. sp *c*
1161 Amsterdam ave.
Chancellor, C. H. 4 *m*
720 St. Nicholas ave.
Chandler, H. K. 1 *s* 38 E. 10
*Chandor, V. L. pl* *29 E. 61*
*Chapin, E. C. 4 b*
*Fiske Hall, Barnard*
Chapman, R. B. 2 *l* 414 W. 118
*Chase, M. L. sp b Scarsdale, N.Y.*
*Cheesman, F. P. 3 b* *171 W. 95*
Cherry, T. H. 2 *m* 237 W. 123
Chessmann, F. N. 2 *m* 31 W. 61
Chibas, L. S. F. 4 *m* 141 W. 63, c/o Mrs. Wolf
Chickering, E. C. *ph*
415 Fulton, Jamaica, N.Y.
Childs, J. H. 1 *m* Paterson, N. J.
*Choat, M. F. pl Greenwich, Conn.*
Church, E. C. 2 *s* 4 E. 130
*Church, M. E. 1 t*
*213 High, Passaic, N. J.*
*Claffy, M. L. C. 2 b*
*27 Tompkins pl., Bklyn*
Clark, A. H. *pl* 616 W. 113
Clark, B. F., Jr. 4 *s* 2611 Bway
*Clark, E. J. ph* *416 W. 118, c/o Miss Moss*
Clark, F. B. 3 *s* 627 W. 115
Clark, F. M. 4 *c* 524 W. 123
*Clark, G. H. 3 b* *258 W. 78*
Clark, H., Jr. 3 *l* 318 W. 82
*Clark, L. 4 t* *Whittier Hall*
*Clark, M. E. 4 b*
*University Dormitory*
Clark, W. 1 *l* 504 Manhattan ave., c/o Mrs. Teney
Clark, W. E. *pl* 314 W. 113
Clark, W. I., Jr. 2 *m* 127 E. 30
Clarke, H. J. B. 3 *s* 19 E. 9
Clarke, L. V. 1 *m* 147 W. 61
*Clarke, M. B. 4 t* *421 W. 43*
Clarke, M. W. 4 *t* 2062 Ryer ave.
Clarke, R. W. M. 4 *s* 19 E. 9
Clay, T. A. 3 *m* 30 Sheridan ave., Paterson, N. J.
Cleghorn, C. D. 2 *m* 273 W. 70
Close, J. A. 4 *s* 123 Myrtle ave., Stamford, Conn.
*Closs, R. E. 3 t* *Whittier Hall*
Cloyd, D. E. gr *t* 430 W. 118
*Coan, M. S. gr t* *Longfellow Hall*
Cocks, G. H 3 *m* 50 W. 11
*Coddington, E. C. 2 b* *38 Hamilton ave., Passaic, N. J.*
*Coddington, E. M. p* *24 W. 58*
*Coe, E. M. pl* *42 W. 52*
Coe, J. L., Jr. 3 *l*
Coelos, J. A. 2 *s* 153 E. 76
Coerr, F. D. H. 2 *m*
108 Madison ave.
Coffee, R. I. *ph* 736 Lexington ave.
Coggeshall, A. 3 *s* 604 W. 114
Cohen, F. 3 *m* 116 E. 91
Cohen, H. 1 *m*
1524 Washington ave.
Cohen, H. E. 1 *m* 660 E. 142
*Cohen, H. L. 3 b* *9 W. 91*
*Cohen, H. N. 1 b* *177 E. 93*
Cohen, I. 4 *m* 154 Henry
Cohen, L. 1 *m*
2031 Fulton, Bklyn
Cohn, A. E. 2 *m* 64 E. 66
*Colburn, H. S. gr t* *201 W. 91*
Cole, R. 2 *l*
Colety, F. 1 *l* 619 E. 138
Colie, D. 3 *c* 614 W. 113

Colie, E. M., Jr. 4 *c* 101 W. 73
Collins, W. M. 4 *c* 330 W. 108
Collis, C. 1 *l* 1055 5th ave.
Colloque, O. P. *ph* 417 W. 21
*Colt, M. E. S. 2 b*
*Fiske Hall, Barnard*
Colton, E. A. 3 *m* 127 W. 61
Colton, H. E. 4 *t* 432 W. 124
Colton, L. 3 *t* 432 W. 124
Commiskey, L. J. J. 2 *m*
155 6th ave., Bklyn
Compton, A. D. *ph* 40 W. 126
*Compton, M. G. 2 b*
*163 Macon, Bklyn*
Comstock, W. P. 3 *c* 460 W. 150
*Conant, M. P. ph* *419 W. 118*
*Conant, S. H. ph* *7 W. 92*
Conboy, M. F. gr *t* 630 W. 149
Cone, N. K. 1 *l* 2053 7th ave.
*Conger, D. S. 1 t* *Longfellow Hall*
Conger, H. R. 3 *l*
42 Washington sq.
Conklin, D. B. 4 *c* 165 W. 77
Conklin, R. S. 3 *l* 363 W. 123
Conlon, P. J. 1 *m* 37 W. 60
Connell, W. H., Jr. 1 *s*
925 West End ave.
*Conner, M. E. sp t* *74 W. 124*
Connolly, M. E. 3 *l* Corona, N. Y.
*Consalus, F. H. 3 t* *143 W. 113*
Constant, C. L., Jr. 3 *s*
c/o Holmes, 2123 5th ave.
Cook, A. E. 3 *m* 483–14, Bklyn
*Cook, C. C. 4 b* *618 S. Bway, Yonkers, N. Y.*
Cook, E. 2 *m* 135 E. 37
*Cook, E. C. ph* *153 E. 62*
*Cook, M. A. 3 t* *Whittier Hall*
Cook, T. F. 2 *s* 154 E. 37
Cook, W. H. 3 *t* 366 W. 127
Cooke, J. B. sp *m* 240 W. 138
Cooke, R. A. 2 *m*
New Brunswick, N. J.
Cookson, J. S. 1 *s* 557 W. 124
*Cooley, H. W. 1 b* *249 W. 14*
*Coons, O. M. sp b*
*346 Manhattan ave.*
*Cooper, C. E. 4 t* *419 W. 118*
Cooper, E. M. 2 *s* 57 Convent ave.
Cooper, F. L. 1 *c* 57 Convent ave.
Corbet, W. W. 3 *s* 308 W. 115
*Corbin, A. M. sp b*
*Fiske Hall, Barnard*
Corcoran, D. 1 *m* 401 W. 57
*Cordley, A. M. pl* *526 W. 114*
Cordner, R. 1 *m* 137 W. 61
*Corey, A. F. sp b*
*Fiske Hall, Barnard*
Cornell, M. L. 1 *s* 29 E. 37
Cornman, L. R. 3 *m*
608 Lexington ave.
Corrigan, H. J. C. 4 *m* 151 W. 61
Cortright, C. B. 4 *m*
158 Plane, Newark
*Corwin, E. K. sp t* *170 E. 71*
Cosenza, M. E. *ph* 174 W. 96
Cosgrove, J. J. 3 *m* 34 W. 61
Costello, T. J. 1 *s* 153 E. 76
Cottle, G. F. 1 *m*
1 Gramercy park
Coughlan, J. J. 1 *l* 201 E. 31
Coultas, A. B. 4 *m* 147 W. 63
Covert, J. B. 4 *m* 135 W. 64
Cowan, A. 2 *m* 36 Grove
Cowen, H. G. 4 *c* 130 E. 47
Cowing, P. F. 3 *s* 138 E. 78
Cowles, H. C., Jr. 3 *m* 60 W. 104
Cox, H. N. 2 *s*
683 Madison, Bklyn
Craig, A. G. gr *t* 122 and 8th ave., Angelbeck Hotel
*Craig, A. H. sp t* *509 W. 112*
Craig, C. L. 2 *l* 536 W. 114
Craig, H. A. 2 *m* 328 W. 51
Cramer, T. E. *pl* Madison, N. J.
c/o Drew Seminary
Cramp, W. C. 2 *m* 108 W. 64
Crandall, S. B. *pl* 507 W. 112
*Crane, Mrs. A. E. 3 t*
*70 Carnegie Hall*
Crane, G. A. sp *s* 519 W. 123
Crane, T. 1 *s* 35 W. 47
*Crawford, A. E. 3 t*
*Longfellow Hall*
Crawford, E. G. 1 *c* 91 W. 103
Crissey, C. P. *4 s* 201 W. 74
Crocker, H. G. *pl* 700 Park ave.
*Crocker, M. S. sp b* *44 Irving pl.*
Cromwell, R. H. 4 *s*
225 Quincy, Bklyn
Cronin, E. J. 1 *m* 37 W. 60
Crosby, H. B., Jr. 4 *s* 627 W. 115
*Cross, E. R. sp b 6 Washington sq.*
*Cross, F. L. pl* *95 Rivington, College Settlement*
Cross, J. W. 2 *s* 6 Washington sq.
*Cross, M. E. gr t* *Whittier Hall*
Crowell, F. S. 1 *s* 188 Franklin pl., Flushing, N. Y.
Crowell, J. W. 3 *c* 188 Franklin pl., Flushing, N.Y.
Crudden, F. sp *m* 26 Dominick
Cruger, J. 1 *s* 430 W. 118
Cruser, F. V. D. 3 *s* 310 W. 115
Cubberley, E. P. gr *t* 417 W. 118
Curlett, A. E. 2 *s* 540 W. 113

Curry, M. 3 *s* 310 W. 115
*Curtin, M. gr t Hoboken, N. J.*
Curtis, B. 3 *l* 33 W. 69
*Curtis, H. A. p*
*University Dormitory*
Curtis, H. S. 2 *l* 417 W. 114
Curtis, N. C. 1 *s* 300 W. 103
*Curtis, S. T. 2 b 421 W. 117*
*Curtiss, E. 3 t 218 W. 123*
*Cushing, M. G. ph*
*Waldorf-Astoria*
Cushing, R. B. 3 *l* Hackley School
Tarrytown, N. Y.
Cussler, E. 2 *m* 105 Grand,
Jersey City
Cuthel, C. W. 1 *c* 77 E. 124
Cutter, G. P. 2 *s*
Marlborough Hotel
Cutting, W. B., Jr. 1 *l* 58 E. 81

Daignault, E. J. 2 *l* 365 W. 116
Dalsimer, P. T. sp *c* 126 W. 71
Dalton, W. A. 4 *m*
1057 Jennings, Bronx
Daly, A. 1 *m* Bayonne, N. J.
*Daly, E. T. ph* "*Roanoke*,"
*Hudson Terrace, Yonkers, N. Y.*
Daly, W. A. 2 *s* 125 W. 66
Daly, W. C. sp *m* 219 E. 61
Dana, C. A. 4 *c* 55 W. 51
Dana, R. H., Jr. 1 *s* 419 W. 118
Danforth, E. 4 *m* Hotel Endicott
*Daniels, H. McD. sp b*
*University Dormitory*
Daniels, H. P. 4 *s* 73 E. 127
*Daniels, M. A. gr t Longfellow Hall*
Danton, G. H. 4 *c* Lyndhurst, N. J.
Dantziger, C. T. 1 *s* 122 W. 139
Danziger, J. L. 4 *s* 302 W. 114
*Darling, E. L. 3 t Rye, N. Y.*
Darlington, L. 2 *l* 530 W. 123
Dattelbaum, M. J. 2 *m*
362 Sackman, Bklyn
David, C. T. 1 *m* 31 First
David, F. H. 3 *m* 33 W. 126
Davidoff, H. *ph* 283 W. 118
*Davidson, F. 2 t*
*Dobbs Ferry, N. Y.*
Davidson, I. 2 *m* 79 W. 118
*Davidson, M. E. S. 3 t 78 W. 102*
Davis, A. 3 *c*
*Davis, A. pl Longfellow Hall*
Davis, A. M. 2 *c* 98 Madison
Davis, J. 2 *l* 610 Marcy ave.,
Bklyn
Davis, J. W. 4 *m* 143 W. 61
Davis, L. P. 2 *l* 332 Palisade ave.,
Yonkers, N. Y.
Davis, M. M., Jr. *pl* 133 W. 113
*Davison, M. L. sp b 70 W. 47*
*Dawson, A. B. gr t*
*235 Hooper, Bklyn*
*Day, E. 1 b 1146 Tinton ave.*
Day, H. C. sp *c* 420 Madison ave.
Day, H. L. 1 *m* 129 W. 64
*Day, H. M. 3 t 408 W. 124*
Day, M. M. 1 *c* 424 W. 20
Day, S. M. 2 *s* 18 W. 19
Deal, F. A. 3 *m* 314 W. 56
Dean, E. C. sp *s* 30 W. 44
Dean, J. H. 3 *m* 143 W. 61
Dean, L. M. *ph* 41 E. 69
Dean, M. B. 2 *l* 352 W. 123
De Baum, R. 3 *m* 151 W. 61
de Cardenas, J. 2 *s* 123 W. 67
Decker, C. H. 1 *s* 519 W. 123
de Forest, E. L. 3 *s* 1 W. 72
de Forest, J. L. *ph*
1161 Amsterdam ave.
de Graffenried, T. P. 2 *l*
323 W. 50
*De Hart, G. L. 4 b 99 Mercer,*
*Jersey City, N. J.*
De Klyn, C. C. 1 *m* 71 W. 104
De Koven, B. 2 *m* 53 Henry
de Lara, F. B. 1 *s* 269 W. 127
de la Torre, 1 *s* 2194 7th ave.
Demarest, G. 2 *s* 244 W. 138
Demeritt, H. S. 2 *s* New Canaan,
Conn.
de Mille, W. C. *ph* 259 W. 43
Dempwolf, C. H., Jr. 3 *s*
242 W. 114
Dennis, H. R. 3 *l* 30 W. 44
Denison, G., 2d, 2 *s*
91 Division ave., Bklyn
*Denton, M. 2 b 271 E. 32,*
*Paterson, N. J.*
De Nyse, R. V. N. 1 *l*
303 S. 5, Bklyn
Deolin, B. J. *ph* 938 E. 175
Derleth, W. T. 2 *s* 674 E. 135
Derow, D. 1 *m* 202 Eldridge
de Sallier du Pin, R. A. 1 *s*
c/o Mrs. King, 503 W. 124
Detwiller, E. T. 1 *m* 140 W. 57
Deutsch, S. 4 *m* 534 E. 87
Dewey, S. B. 1 *s*
1250 Dean, Bklyn
Deyo, H. 1 *c* 101 N. Bway,
Yonkers, N. Y.
Deyo, L. 2 *c* 101 N. Bway,
Yonkers, N. Y.
*Deyo, R. L. sp b 353 W. 58*
De Yoe, E. A. 2 *l* Ramsey, N. J.
Diamant, S. 4 *s* 245 E. 118

Dias, J. L. 3 *m* 127 W. 67
Dickie, A. E. 4 *s* 566 Macon, Bklyn
Dickinson, F. McL. 1 *m* 318 W. 57
Dickson, C. W. *p* 504 Manhattan ave.
Dickson, S. K. 1 *l* 100 W. 88
Dieffenbach, R. H. 2 *m* 222 S. Orange ave., Newark
*Dietz, E. A. 1 b* *136 E. 43*
Dillingham, P. S. *4 c* 419 W. 118
Dillon, C. J. 4 *m* 118 W. 47
Dingman, J. C. 2 *m* 54 W. 65
Dingman, T. A. 2 *m* 54 W. 65
Dionne, G. A. L. *ph* 33 W. 45
Dippel, J. P. 2 *l* 80 Pierce ave., Taurus, N. J.
Dittenhoefer, L. F. 3 *s* 1026 Park ave.
Dixon, S. H. *ph* 178 Elm, Yonkers, N. Y.
Dodd, S. W. 1 *m* Newark
Dodge, M. H. 3 *c* 232 Madison ave.
Doherty, G. 2 *l* 735 Lexington ave.
Dollard, H. L. 4 *m* 157 W. 61
Dollin, E. N. 1 *l* 1377 Lexington ave.
Dolphin, B. E. 2 *m* 286 W. 70
*Donald, R. S. 4 b* *170 W. 121*
Donnellan, G. L. 1 *l* 883 6th ave.
Donnelly, J. J. 1 *l* 34 N. Elliott pl., Bklyn
*Donnelly, M. 1 b* *412 W. 149*
Donohue, L. T. 1 *m* 253 Main, Paterson, N. J.
Donvan, B. F. 1 *l* 250 W. 128
Doolittle, W. F. 4 *m* 135 W. 64
Doon, C. W. 1 *s* 704 E. 138
Doon, J. H. 4 *m* 34 W. 61
Doran, C. E. 3 *m* 127 W. 63
Dorr, G. H. 1 *l* 352 W. 117
*Dorrian, C. I. 1 b* *2340 7th ave.*
Dottenheim, H. S. 1 *l* 2512 11th ave.
Doty, H. S. 1 *s* 69 Locust Hill ave., Yonkers, N. Y.
*Doty, K. S. 2 b* *553 W. 141*
*Dow, B. McL. sp b* *143 Convent ave.*
Doyle, J. B. 2 *l* 606 W. 113
*Draper, A. O. 1 b* *18 W. 8*
Dressler, W. B. 2 *l* 136 W. 103
Driscoll, G. C. 1 *m* 438 W. 57
Droge, H. G. 1 *s* Flushing, N.Y.
Drolet, G. J. 1 *s* 206 E. 80
Drosin, L. 1 *m* 229 E. 4
Drucker, A. P. *ph* 736 Lexington ave.
Dublin, L. I. *p* 635 E. 11
*du Bois, E. H. ph* *120 and Amsterdam ave., The Lowell*
Du Bois, F. E. 3 *m* 303 Lexington ave.
Duckett, W. J. 2 *m* 438 W. 57
Duckworth, A. W. 3 *l* World Bldg.
Duden, F. H. 4 *c* P. O. Box 48, Bronxville, N. Y.
Duden, H., Jr. 2 *l* Bronxville, N. Y.
Duden, W. 2 *s* P. O. Box 48, Bronxville, N. Y.
Dudley, B. W. 2 *m* 127 W. 61
Dudley, P. sp *c* 137 W. 103
Duell, W. C. 2 *c* 61 Washington, Tarrytown, N. Y.
*Duffey, L. R. 3 t* *272 W. 102*
Dufourcq, R. G. 2 *s* 62 W. 84
Dugso, F. A. 1 *m* 264 New York ave., Bklyn
*Dulon, M. R. 4 t* *646 W. 158*
Dumas, J. P. 1 *l* 358 W. 123
Dunaif, G. 1 *m* Pitkin ave., cor. Sackman, Bklyn
Duncan, I. B. 2 *m* 202 Carroll, Paterson, N. J.
Duncan, W. H., Jr. sp *c* 5th ave. and 54, University Club
Duncombe, F. H. 1 *s* 45 S. 1st ave., Mt. Vernon
Dunn, D. H. 1 *s* 417 W. 114
Dupaquier, C. J. *ph* 230 E. 26
*Durant, A. L. 2 b* *603 West End ave.*
*Durant, E. 4 b* *603 West End ave.*
Durham, K. *pl* 404 W. 145
*Dutcher, E. O. 4 b* *Fiske Hall, Barnard*
*Dutcher, M. 4 t* *Longfellow Hall*
*Dutton, C. C. H. gr. t* *144 W. 104*
Duval, R. G. 1 *s* 26 W. 21
Du Vivier, J. 3 *l* 441 W. 21
Dwight, K. 1 *m* 31 Mt. Morris park, W.
Dwyer, J. J. 3 *l* 255 Webster ave., New Rochelle, N. Y.
*Dyas, L. sp b* *17 Livingston Pl.*
Dyer, D. P. 3 *t* 521 W. 123
Dyer, H. P. 1 *s* 530 W. 123
Dyrsen, H. H. 3 *c* 507 Manhattan ave.

Eakin, A. 2 *s* Englewood, N. J.
Earle, E. L. gr *t* 58 Manhattan ave.
Earle, E. W. 1 *l*
*Earle, R. 4 b* *602 W. 125*
Earle, V. de La M. 3 *c* P. O. "M." Earlecliffe, Washington Hts.
Earle, W. P. 1 *c* Earlecliffe, Washington Hts.
*Earll, I. 3 t* *42 W. 109*
Earley, M. J., Jr. 1 *l* 527 W. 150
Eastman, D. gr *t* 528 W. 123
Eastmond, C. 2 *m* 199 Madison, Bklyn
Easton, W. O. *pl* 412 W. 115
*Eaton, M. 4 t* *417 W. 118*
Ebling, L. A. 2 *s* 935 Prospect ave.
Eckert, W. 2 *c* International Bank Note Co., 18 Bway
Ecclesine, J. J. sp *m* 126 E. 34
*Eckhardt, C. E. 3 t* *312 S. Broad, Elizabeth, N. J.*
Edelstein, I. 2 *l* 158 Henry
Edwards, F. E. 2 *s* 417 W. 117
Edwards, J. A. 3 *l* 144 W. 58
*Egleston, J. D. 2 b* *Fiske Hall, Barnard*
Egner, A. F. 3 *c* 1015 Broad, Newark
*Ehrich, E. 1 b* *54 W. 75*
Eichhorn, H. 2 *m* 341 E. 3
Einstein, L. sp *l* 39 W. 57
*Einstein, M. J. 2 b* *44 W. 53*
Eiseman, A. *ph* 466 W. 43
Eldert, H. C. 3 *l* 358 W. 120
Elgar, H. B. 1 *c* 275 W. 132
Elgas, H. M. 2 *c* 121 W. 87
Elias, H. H. 3 *c* 18 W. 71
*Elias, I. ph* *195 Lenox ave.*
Elias, L. W. 3 *m* 195 Lenox ave.
*Elleau, A. 1 b Fiske Hall, Barnard*
*Elliman, M. G. 4 b* *24 W. 61*
Ellis, G. A. 2 *c* 157 W. 119
Ellis, R. P. 1 *m* 102 W. 93
Ellsworth, L. sp *s* 2 W. 16
Elmore, W. B. 3 *m* 329 W. 58
Elsberg, A. M 1 *c* 105 E. 57
Elsworth, H. J. sp *c* 604 W. 114
*Elting, H. S. 2 b* *237 N. Bway, Yonkers, N. Y.*
*Eltinge, L. sp t* *607 5th ave.*
*Embury, L. B. 2 b* *Englewood, N. J.*
Emerson, E. H. sp *s* 417 W. 117
Emory, G. B. 1 *m* 59 W. 62
*Engelbrekt, S. C. 3 t* *31 Elm, New Rochelle, N. Y.*
Engelke, C. 4 *m* 129 W. 61
*Enright, E. M. 2 b* *Fiske Hall, Barnard*
Epler, D. A. 3 *m* 139 W. 63
Erb, W. M. 1 *l* 134 W. 117
Erdman, S. 4 *m* 251 W. 55
Erdwurm, F. 3 *m* 108 Orient ave., Jersey City
Erichsen, E. 1 *l* 419 W. 118
Ernest, R. H. 1 *s* 1947 7th ave.
Ernst, A. O. 1 *l* 226 W. 113
Ernst, B. M. L. 3 *l* 152 W. 122
Eron, J. E. 4 *c* 447 E. 116
*Erskine, H. 2 b* *306 W. 93*
Erskine, J. *ph* 306 W. 93
Erskine, J. P. 3 *m* 318 W. 57
Esquerré, E. sp *s* 116 W. 114
Esselborn, C. A. 1 *s* 772 E. 165
Esser, J. H. 2 *l* 209 E. Sidney ave., Mt. Vernon, N. Y.
Estee, O. D. 2 *l* 1161 Amsterdam ave.
Estill, R. J. 4 *m* 342 W. 58
*Ettlinger, J. sp b* *40 E. 73*
Evalenko, W. A. 3 *s* 128 E. 101
Evans, A. P. 3 *m* 755 Quincy, Bklyn
Evans, J. H. 4 *m* 254 W. 55
Evans, W. A. D. 3 *s* 147 W. 130
Everett, S. H., Jr. 3 *s* 490 Hancock, Bklyn
*Ewing, E. C. 3 t* *209 W. 87*
Ewing, G. R. M. 1 *s* 20 St. Nicholas pl.
Eytinge, E. O. J. 2 *m* 10 W. 68

Faber, J. P. 3 *s* 315 E. 58
Fach, C. A. gr *s* 523 W. 123
Fackenthal, J. D. 2 *l* 93 Rodney, Bklyn
Faile, K. C. 4 *c* 53 W. 49
Fairchild, C. W. 3 *m* Tarrytown, N. Y.
*Fairchild, E. M. ph* *120 and Amsterdam ave., The Lowell*
*Fairchild, H. A. 4 b* *557 W. 124*
Falconer, B. McL. 4 *c* 8 E. 62
Falion, G. M. 1 *c* 329 Pacific, Bklyn
Falk, M. A. 3 *c* 33 E. 67
Falk, M. J. 2 *s* 24 E. 81
Fall, F. A. *ph* 358 W. 118
Fancett, S. T. 3 *m* Stamford, Conn.
*Fant, A. gr t* *Longfellow Hall*
Farish, G. E. 3 *s* 606 W. 115
Farley, E. A. 1 *l* 980 De Kalb ave., Bklyn

*Farmer, M. B. 1 b* *21 Davis ave., New Rochelle, N. Y.*
*Farnsworth, Mrs. C. J. 3 t* *417 W. 118*
*Farquhar, A. M. 4 t* *256 W. 108*
Farrar, P. C. *pl* 128 W. 104
Farrell, P. L. 3 *l* 536 Carlton ave., Bklyn
*Farrelly, G. M. 1 b* *224 W. 137*
Farrington, F. E. gr *t* 503 W. 124
Fasola, J. B. 1 *l* 204 E. 109
Fassett, B. S. 3 *m* Larchmont, N. Y.
Fassett, E. C. 2 *m* 325 W. 51
Fassett, L. 2 *l* 435 W. 123
*Faunce, H. R. sp t*
Feeley, W. H. P. 1 *m* 296 Lorimer, Bklyn
*Fisher, M. H. sp b* *149 S. 2d ave., Mt. Vernon, N. Y.*
Feigenoff, I. 1 *m* 62 Henry
Fenton, W. H. sp *s* 1161 Amsterdam ave.
Fernald, R. H. gr *s* 298 Manhattan ave.
Ferris, M. D. 1 *c* Dobbs Ferry, N. Y.
*Fettretch, E. B. 1 b* *803 Lexington ave.*
Feust, A. 4 *s* 718 E. 138
Fewsmith, J. L. 4 *m* 135 W. 64
Fiaschi, P. 1 *m* 418 5th ave.
Fichter, L. 2 *m* 306 E. 119
Field, F. E. *pl* 50 E. 70
Fies, M. H. 2 *s* 2094 5th ave.
Finch, L. H. 3 *m* 556 Halsey, Bklyn
Fink, C. G. 3 *c* 133 W. 85
Finkel, I. H. 1 *s* 78 2d ave.
Finkelstein, H. 2 *m* 72 S. Washington sq.
Finn, F. A. 3 *m* 157 Danforth ave., Jersey City
Finney, C. A. sp *c* 270 W. 115
*Finnigan, E. 4 b* *151 W. 81*
Finnigan, J. J. *ph* 157 W. 63
*Fischer, H. M. 2 b* *129 W. 70*
Fischer, W. G. 2 *s* 519 W. 123
Fischlowitz, A. gr *t* 71 E. 107
*Fishel, L. H. ph* *Babylon, L. I.*
*Fisher, A. F. 1 b* *149 S. 2d ave., Mt. Vernon, N. Y.*
Fisher, H. A. 2 *s* 914 St. Nicholas ave.
Fisher. J. R. 2 *c* Swiftwater, Pa.
*Fisher, S. J. sp t* *Longfellow Hall*
Fisher, T. E. 1 *s* 149 S. 2d ave., Mt. Vernon, N. Y.
Fisk, C. E. 4 *c* 17 Bentley ave., Jersey City
*Fitch, E. H. 3 b* *273 W. 84*
Fitch, J. K. 4 *c* 416 W. 118
Fitzhugh, O. M. *pl* 700 Park ave.
Flaks, A. 2 *m* 120 Monroe
Flatto, I. 2 *m* 141 Monroe
Fleming, D. J. *ph* 41 E. 69
Fleming, W. L. *pl* 533 Manhattan ave.
Fletcher, L. A. 3 *t* 43 W. 66
Fletcher, N. DeL. L. 4 *m* 180 E. 93
*Fletcher, S. F. 1 b* *138 Berkeley pl., Bklyn*
*Fluhrer, H. P. ph* *Murray Hill Hotel*
Fluhrer, L. P. 1 *s* 371 W. 123
Flynn, D. J. 2 *m* 345 W. 51
Foise, J. F. 3 *l* 147 E. 60
Fonda, D. H. sp *c* 529 W. 141
Foote, F. S., Jr. 2 *s* 366 W. 118
Forbes, F. B. 2 *c* 8 W. 56
*Forbes, H. sp t* *Longfellow Hall*
*Forbes, I. J. sp t* *47 Patchen ave., Bklyn*
*Ford, C. M. 3 t* *Whittier Hall*
Ford, F. G. sp *c* 120 E. 83
Ford, H. E. 4 *c* 64 Davis ave., W. New Brighton, N. Y.
Ford, W. H. 3 *s* 5 Mt. Morris park, W.
*Forman, A. G. 1 b* *2313 7th ave.*
*Forrest, N. S. 2 b* *828 St. Nicholas ave.*
Forsch, A. 2 *l* 31 W. 86
Forst, L. 3 *l* 250 W. 131
Forsyth, J. P. 1 *l* 57 W. 125
Fosdick, H. E. *ph* 700 Park ave.
Foster, G. H. *pl* 1425 Bway
Fort, J. I. 3 *c*
Foucar, F. H., 2 *c* 1275 Lexington ave.
*Fountain, A. E. gr t* *311 W. 55*
*Fountain, C. B. 2 b* *Fiske Hall, Barnard*
Fountain, C. H. 2 *c* 1700 Washington ave., Bronx
Fountain, C. R. *p* 526 W. 123
Fowler, A. McD., Jr. sp *pl* 41 E. 69
Fowler, L. H. 4 *s* 254 W. 98
*Fowler, S. ph* *138 E. 40*
Fowler, S. R. 4 *m* 161 W. 75
Fowles, G. M. *pl* 2190 7th ave.
Fox, DeW. 1 *l* 249 W. 139
Fox, N. B. 3 *l* 419 W. 118
Fox, W. *p* 555 E. 86

Fraenckel, R. H., Jr. 1 *c* 55 W. 69
Franc, C. B., Jr. 1 *s* 648 10, Bklyn
France, A. L. sp *c* 604 W. 114
Francis, W. C. 1 *s* 519 W. 123
Frank, A. 1 *s* 127 E. 86
Frank. B. F. sp *m* 100 W. 76
Frank, E. 3 *s* 209 W. 127
Frank, H. 3 *s*
378 Vanderbilt ave., Bklyn
Frank, J. J. 1 *c* 138 W. 78
Frank, W. 3 *c* 209 W. 127
Frank, W. P. 3 *l* 17 E. 61
Frankel, E. J. sp *m* 217 E. 17
Frankenthaler, A. 2 *l* 11 E. 87
Franklin, L. 3 *m* 144 Cator ave., Jersey City
*Franklin, M. 1 b* *17 E. 129*
Fraser, A. J. 2 *s*
146 and Gerard ave.
*Fraser, F. M. sp t c/o Mrs. Allen, Riverside dr., betw. 99 and 100*
Frazer, C. R. 3 *l* 419 W. 118
Frazer, G. A. sp *pl* 305 W. 112
Frazier, M. L. *pl* 254 6th ave.
Fredericks, A. 3 *s* 220 E. 80
*Freeborn, E. J. 3 t* *405 Whittier Hall*
*Freed, R. 4 t* *1637 Madison ave.*
Freehoff, J. C. *pl* 521 W. 123
Freeman, H. W. 1 *l* 117 E. 78
Freeman, J. V., Jr. 2 *m*
Sewaren, N. J.
Freeman, W. E. gr *t*
Massonville, N. J.
Freund, H. P. 4 *s*
796 Lexington ave.
Frey, D. I. 2 *m* 223 Clinton
*Fridenberg, P. 3 t* *114 W. 126*
Fried, E. S. 2 *c* 47 W. 87
Fried, G. A. 3 *m* 47 W. 87
Friedenberg, A. M. 2 *l* 186 W. 135
*Friedman, E. 4 t* *148 W. 94*
Friedman, H. J. 3 *m* 261 E. 4
Friedman, H. M. 1 *m* 84 Lewis
Friedmann, J. 1 *m*
85 Market, Paterson, N. J.
*Friess, L. 3 t* *536 Union ave.*
Frink, C. A. 4 *m* 129 W. 61
Fritts, H. H. 1 *m* 222 W. 15
Frohne, H. W. 3 *s*
2715 Bainbridge ave.
*Frost, H. V. 3 t* *29 E. 2d, Mt. Vernon, N. Y.*
*Frost, M. G. pl* *138 E. 40*
*Frothingham, M. K. 1 b* *60 W. 68*
Frucht, S. 2 *m* 63 Elizabeth
Fruchthandler, E. A. 1 *m*
1348 5th ave.
*Fry, E. L. 2 b* *66 W. 104*
Fuerst, S. M. *ph* 520 W. 123
Fuld, L. F. 2 *c* 130 E. 110
Fuller, F. J. 1 *l* Hotel Endicott
Futter, L. N. sp *c* College Pt., L. I.

Gaass, G. G. 1 *l* 305 W. 116
*Gaddis, I. D. 3 t* *Longfellow Hall*
Gagan, T. F. 3 *l* Haverstraw, N.Y.
Gage, G. H. 3 *m* 127 W. 67
Gaige, R. C. 1 *c* 530 W. 123
Gain, J.C. 2 *m* Roosevelt Hospital
*Gallagher, A. sp. b* *519 W. 112*
*Gallagher, H. D. gr t* *Highwood, N. J.*
*Gallert, D. P. 2 b* *48 W. 119*
*Galloway, I. G. ph* *114 W. 123*
Gammon, E. M. gr *t* 528 W. 123
*Gand, L. E. sp b* *526 W. 114*
*Gans, D. ph* *497 Halsey, Bklyn*
Gansmann, R. W. 1 *s*
Leonia, N. J.
Ganter, C. R. 3 *l*
Irvington, N. Y.
Garcelon, C. A., Jr. 4 *s* 419 W. 118, c/o Mrs. Allen
*Gardner, C. A. gr t* *72 W. 124*
Garner, J. W. *pl* 412 W. 115
Garner, P. P. gr *t* 408 W. 115
Garretson, W. Van P. 3 *m*
153 Clerk, Jersey City
Garrigan, G. P. 4 *m* 145 W. 61
Garside, C. Z. 3 *m*
112 Stone, Newark
Garvin, J. L. *pl* 700 Park ave., Union Theol. Sem.
Garvin, W. C. 3 *m* 329 W. 58
Gaskins, J. D. 1 *m* 346 W. 58
Gaston, M. E. 4 *s* 441 Park ave.
Gates, M. E., Jr. 3 *l*
733 Madison ave.
Gates, W. B. *pl* 41 E. 69
Gaudineer, E. H. 2 *m*
Maplewood, N. J.
Gearin, H. C. 2 *l* 521 W. 123
Geer, E. T. 3 *c* 113 W. 11
Geer, W. M., Jr. 1 *c* 113 W. 11
Gellert, S. 2 *m* 629 6
George, D. G. 1 *l* 373 Manhattan ave.
George, R. McC. *ph*
633 Madison, Bklyn
Gernerd, F. B. 1 *l* 245 W. 115
Gerster, J. C. A. 4 *c* 34 E. 75
Gestefeld, D. H. 1 *c* Pelham, N.Y.
Ghiglione, A. J. 2 *m*
Richmond ave., cor. Sea ave., Arrowchar, N. Y.

*Gibson, A. S. gr t*
*408 Manhattan ave.*
Gibson, C. W. 1 *l* 557 W. 124
Giddings, H. S. 2 *l* 150 W. 79
Giffen, S. D. 4 *m* 358 W. 58
Giffin, F. A. *p* 419 W. 118
*Gignoux, E. M. 4 b* *33 E. 75*
*Gill, L. G. 1 t* *Stapleton, S. I.*
Gillespie, D. H. M. 4 *m* 318 W. 57
Gillett, L. B. 2 *c*
*Gillette, K. S. 1 t* *156 Cottage ave., Mt. Vernon, N. Y.*
Gillies, J. W. 1 *s*
1161 Amsterdam ave.
Gillies, W. F. 2 *s* 555 W. 141
*Gilliland, A. M. gr t* *152 E. 128*
Gillin, J. L. *pl* Cornell Memorial Church, 76, bet. 2d and 3d ave.
Gilmour, G. *ph* 41 E. 69
Gilroy, A. S. 1 *s* 7 W. 121
Gissel, H. W., Jr. 2 *c* 235 Bway, Bklyn
Gjevre, A. H. *ph* 366 W. 127
Gladney, F. Y. 3 *l* 237 W. 120
*Glanton, L. P. 3 t* *530 W. 123*
Glanz, H. 2 *m* 74 Norfolk
Glasby, H. S. 3 *s*
14 Roseville ave., Newark
Glasscheib, S. H. 3 *l* 124 E. 102
Gleason, H. S. 1 *m* 348 W. 58
*Glenn, E. C. sp t* *417 W. 118*
Glenn, G. 2 *l* 231 W. 96
*Glenn, M. H. 1 b* *231 W. 96*
Glenney, W. L. 4 *c* 542 W. 113
Gleysteen, W. H. *pl* 41 E. 69
Glück, E. *ph* 116 W. 116
Goadby, A. gr *t* 21 W. 35
Godoy, V. D. A. 1 *m* 144 W. 43
Godwin, H. 4 *s* 125 W. 122
Godwin, V. 2 *s* 125 W. 122
Goepel, C. P. 4 *s* 2350 7th ave.
Goff, J. W. 3 *c*
Goldberg, H. 2 *s* 116 Stanton
Goldberg, J. M. 4 *m* 157 E. 72
Goldberg, S. 3 *l* 116 Stanton
Goldberger, N. S. 2 *c* 57 E. 60
Golden, P. N. 4 *s* 72 W. Grand, Elizabeth, N. J.
Goldenweiser, A. 4 *c*
Goldfarb, S. J. 1 *m* 79 E. Bway
Goldfrank, F. 3 *m* 20 E. 81
Goldfrank, W. S. 2 *c* 20 E. 81
Goldie, W. V. 1 *l* 505 W. 112
*Goldman, B. ph* *132 E. 70*
*Goldsmith, E. M. 1 b* *50 W. 75*
Goldstone, K. H. 2 *m*
253 E. Bway
Goldwater, E. 1 *c* 335 E. 120
*Gomez, M. 2 t* *327 W. 84*
Goodell, J. E. 1 *s* 3134 Bway
Goodfellow, H. 4 *c* 606 W. 113
Goodfriend, N. 4 *m* 333 E. 77
Goodman, F. V. 3 *c* 131 W. 103
Goodman, L. 3 *s* 91 Ave. C
*Goodrich, H. M. 4 t*
*Longfellow Hall*
Goodrich, J. S. 3 *s* 119 W. 104
*Goodyear, K. F. 1 b* *104 W. 109*
Gookin, W. F. 4 *c* 124 W. 112
Gordon, H. A. 1 *l* 120 E. 113
Gossett, M. E. 1 *l* 115 E. 82
Gottlieb, H. N. 2 *l* 38 W. 92
Gottsberger, J. B. 3 *s*
187 S. Oxford, Bklyn
*Gottschalk, C. A. sp b* *178 W. 81*
Gould, G. C. 3 *m* 134 S. 6th ave., Mt. Vernon, N. Y.
Gould, J. H. 3 *l* 419 W. 118
*Gourlie, I. S. 3 t* *134 W. 104*
*Gower, M. L. 4 t* *523 W. 123*
Graham, C. M. 2 *m* 328 W. 56
Graham, H. F. 2 *m* 328 W. 56
Graham, W. B. *pl* 153 W. 123
*Granger, E. A. 2 b* *106 S. 1st ave., Mt. Vernon, N. Y.*
*Grant, E. C. 3 t* *1 W. 81*
Grant, F. S. sp *c* 319 W. 36
Grant, H. A. 2 *s* E. 42, Manhattan Hotel, Transportation Club
Grant, O. R. 4 *s*
2236 Southern Blvd.
Grasse, W. H. 1 *l* 216 W. 131
Gravenhorst, P. G. 2 *c*
304 Carlton ave., Bklyn
*Graves, A. M. 4 t* *509 W. 112*
Graves, D. D. 3 *l* 519 W. 123
Graves, J. W. 3 *l* 416 W. 118
*Gray, A. L. ph* *Passaic, N. J.*
Gray, C. 4 *s* 255 W. 126
Gray, L. H. sp *ph* 53 2d ave., Newark, N. J.
*Gray, M. G. 1 b* *246 14, Bklyn*
*Gray, M. R. 2 b* *269 Union, Bklyn*
Greason, A. 1 *c* 138 W. 109
Green, C. T. 2 *l* 190 W. 101
Green, G. G. 2 *s* 354 W. 120
Green, L. Z. 2 *l* 554 W. 125
*Greene, A. E. 3 t* *29 W. 99*
Greene, P. L. 3 *s* 604 W. 114
Greene, V. R. H. 2 *c* 49 W. 68
Greenstein, M. J. 1 *m*
1291 1st ave.
Greenway, J. C. 2 *m* 317 W. 58
Gregory, W. K. *p* 62 W. 98
Gregory, W. S. 3 *m* 139 W. 67

Greif, J. 3 *m* 232 Rivington
Grevatt, F. F. 3 *s* 291 Spring, W. Hoboken, N. J.
Gribble, G. W. H. D. 1 *l* 44 Pine, c/o Cuyler, Morgan & Co
Griffin, G. F. sp *s* Columbia Arms, 118 and Amsterdam ave.
Griffin, W. H. 3 *l* 156 Kent, Bklyn
*Griffing, Mrs. A. V. W. sp b* *163 E. 56*
*Griffith, M. 3 t* *223 Monticello ave., Jersey City Heights*
Griffith, P. LeR. 3 *l* 25 W. 123
*Griswold, Mrs. F. K. 2 t* *81 Morningside ave.*
*Groff, M. 3 b* *21 Crescent ave., Jersey City*
Gross, A. 2 *l* 69 E. 113
Gross, H. 3 *m* 240 E. 79
Grossman, M. 1 *l* 354 E. 4
Grossmann, W. H. 1 *c* Ft. Washington ave. and Depot lane
Grosvenor, E P. 1 *l* 414 W. 118
Grout, G. H. 4 *m* 101 W. 74
*Gruening, C. E. 3 b* *109 E. 23*
*Grün, P. ph* *1190 Lexington ave.*
Grussner, A. 2 *m* 273 E. 3
Guinan, E. V. 3 *l* 407 E. 116
Gulbrandsen, S. 3 *s* 304 Kosciusko, Bklyn
Gulick, J. C. 1 *s* 331 W. 22
Gulliver, F. D. 3 *m* 138 W. 64
Gumm, H. H. 1 *l* 540 W. 113
*Gunn, H. E. 4 t* *Longfellow Hall*
Gunther, C. G. 3 *s* 1735 Cropsey ave., Bklyn
Gussinklo, W. F. 1 *m* 81 4th ave.
Gutgsell, A. E. 1 *l* 1104 Lexington ave.
Gutherson, W. F. 2 *m* Paterson, N. J.
Gutman, A. S. 2 *c* 12 E. 80
Guyer, R. sp *s* 358 W. 123
Gwin, W. McK. 2 *s* 208 W. 72

***Haan**, H. I. 1 b* *57 W. 75*
*Haas, E. J. 2 b* *7 E. 69*
Haas, G. C. O. 4 *c* 64 7
Haas, H. C. 1 *s* 131 E. 47
Haas, H. J. 3 *c* 116 W. 126
Haas, L. 3 *l* 116 W. 126
Haber, W. J. 3 *m* 148 W. 73
Haberman, J. V. 4 *c* 248 E. 61
Haberstroh, A. 4 *m* 2523 11th ave.
Haddock, S. B., Jr. sp *m* 80 Madison ave.
Hageman, G. R. 1 *c* 139 W. 84
Hahn, A. W. 1 *s* 245 W. 130
Hahn, G. H. 4 *m* 122 Newton, Newark
Hahn, R. H. 1 *l* 353 W. 118
Hahnel, A. F. 1 *s* 985 Prospect ave.
Haight, L. H. 2 *s* 147 E. 37
Haines, E. J. 1 *s* 878 St. John's pl., Bklyn
Haines, H. W. 3 *s* 153 W. 121
Hale, G. D. 2 *m* 330 W. 56
Hall, C. G. 1 *s* 38 W. 32
Hall, C. H. 4 *m* 265 Ryerson, Bklyn
Hall, H. R. 2 *l* 53 and St. Nicholas ave.
*Hall, M. D. 4 b* *Mt. Vernon, N. Y.*
Halliday, E. *ph* 81 St. James pl., Bklyn
Halligan, T. C. gr *t* 335 2d ave.
*Hallowell, H. 2 t* *2137 7th ave.*
Halpin, J. J. 1 *l* 185 Hudson
Halsey, H. V. W. 4 *c* 957 Boulevard, Astoria, N. Y.
Halstead, K. B. 4 *c* 521 W. 123
Hamburger, G. 1 *m* 64 Columbia
Hamburger, S. 3 *s* 43 W. 119
Hamill, P. J. P. 2 *m* 141 Mercer, Jersey City
Hamilton, A. 4 *m* 145 W. 61
Hamilton, E. C. 2 *l* 57 W. 69
Hamilton, E. W. 3 *l* 371 W. 119
Hamilton, F. B. 1 *l* 1714 Madison ave.
Hamilton, S., Jr. 1 *m* 363 W. 56
Hamilton, S. W. 3 *m* 328 W. 56
Hamilton, W. F. V., Jr. 1 *m* North Plainfield, N. J.
Hammer, J. 4 *m* 306 Rivington
*Hammerslough, C. p* *1215 Madison ave.*
Hammerslough, R. L. 2 *c* 1215 Madison ave.
*Hammond, A. B. 4 t* *25 E. 130*
Hampson, F. C. 1 *l* 1345 Amsterdam ave.
Hanan, H. S. 2 *s* 107 W. 126
Hance, J. C. 2 *m* 147 W. 63
*Handy, E. B. 1 b* *6 Stuyvesant pl., New Brighton, S. I.*
Hanemann, E. L. 2 *c* 159 W. 85
Hanemann, J. T. 4 *s* 159 W. 85
*Hanks, L. T. p* *560 W. 113*
Hannah, H. L. 3 *c* 31 W. 113
Hannon, M. 2 *l* 125 W. 63
Hanson, H. O. *ph* 886 Jackson ave.
Hara, T. *pl* 53 W. 97

Harbeck, C. J. 1 *m* 306 Lexington ave.
Harcourt, A. 2 *c* 2066 5th ave.
Hardenberg, D. S. 2 *m* 354 Pacific ave., Jersey City
Hardenbergh, S. 2 *l* 171 W. 95
Hare, J. J. 3 *l* 595 Greene ave., Bklyn
Harper, J., Jr. 4 *c* 127 E. 28
Harper, J. F. *pl* 80 E. 55
Harran, G. P. 3 *m* 1420 5th ave.
Harrigan, A. H. 1 *m* 310 Park pl., Bklyn
*Harriman, M. sp b* *1 E. 55*
Harrington, H. S. 3 *l* 369 W. 120
Harrington, R. V. 1 *l* 140 W. 64
Harrington, T. F. 1 *m* 65 Cherry
Harris, B. S. 1 *m* Westfield, N. J.
Harris, H. H. 2 *c* 165 W. 91
Harris, H. S. 4 *c* 114 W. 116
Harris, L. I. 1 *m* 25 Avenue C
*Harrison, G. 3 t* *Lawrence Park, Bronxville, N. Y.*
Harrison, J. C. 2 *l* 542 Hancock, Bklyn
Harrison, J. S. *ph* 430 W. 118
*Harrison, M. F. 3 b* *Fiske Hall, Barnard*
Harrison, R. C. 3 *c* 488 McDonough, Bklyn
Harrold, C. C. 4 *m* 366 W. 57
Hart, A. J. 2 *m* 431 W. 22
Hart, F. B. 1 *m* 62 Ascension, Passaic, N. J.
Hart, G. G. 4 *m* 333 W. 58
Hartman, J. W. *ph* 180 7th ave.
Hartshorn, W. M. 4 *m* 318 W. 57
Harwich, M. 1 *m* 226 Eldridge
Harwood, E. C. *ph* 353 W. 119
Harwood, H. M. sp *m* 424 W. 57
Harwood, P. H. 3 *s* 353 W. 119
Hasking, A. P. 3 *m* 318 Montgomery, Jersey City
Hastie, J. D. 2 *m* 105 W. 138
Hatch, H. B. 2 *s* 111 W. 103
Hatch, W. P., Jr. 4 *s* 416 W. 118
Hatcher, C. P. 2 *l* 252 W. 121
Haughwout, J. A. 2 *l* 557 W. 124
Hauschild, G. W. *ph* 362 W. 119
Havens, S. M. 3 *l* 519 W. 123
Haviland, D. 1 *m* 234 E. 31
*Haviland, E. C. gr t* *122 W. 103*
Haviland, H. F. 4 *s* 234 E. 31
*Hawes, J. J. 2 b* *13 Leland ave., New Rochelle, N. Y.*
Hawkesworth, J. 2 *s* 102 W. 80
Hawkins, E. 2 *l* 498 W. 133
Hawkins, N. L. 4 *m* 143 W. 61
Hawks, E. M. 3 *m* Tarrytown, N.Y.
Haxby, R. V. L. 1 *s* 238 E. 23
*Haydock, A. sp b* *407 W. 123*
Hayes, C. H. 2 *c* 257 6th ave., Bklyn
Hayes, E. F. 2 *s* 318 E. 15
*Hayes, E. J. 3 t* *20 Central ave., Tompkinsville, S. I.*
Hayes, S. P. *pl* 41 E. 69
Haynes, R. S. 3 *m* 449 Greene ave., Bklyn
Hays, A. G. 4 *c* 264 W. 89
Hays, H. M. 4 *c* 264 W. 89
Hazay, M. 3 *m* 314 E. 3
Head, H. W. 1 *l* 412 W. 115
Healy, H. W. 1 *l* 541 W. 124
Heaton, J. P. 1 *c* 1025 Bushwick ave., Bklyn
Hecht, F. *ph* Jamaica, N. Y.
Heck, W. H. *ph* 137 W. 103
Hedinger, H. B. sp *c* 36 W. 126
*Heidenheimer, A. B. 1 b* *61 E. 72*
Heimann, W. J. 1 *m* 123 W. 122
Hein, T. L. 1 *m* 56 E. 79
Heine, J. 1 *m* 55 E. 2
Helgeson, K. A. 3 *m* 106 W. 61
Heller, C. 2 *s* 12 E. 77
Hellman, A. M., 4 *c* 15 E. 92
Henderson, A. C. 3 *m* 446 Clinton, Bklyn
Henderson, E. N. gr *t* 519 W. 123
Henderson, I. R. *pl* 314 W. 113
*Henderson, M. L. 4 t* *414 W. 118*
*Hendricks, E. 1 b* *18 E. 80*
Hendrickson, C. Le R., 3 *c* 430 W. 118
Hendrickson, J. F., Jr. 3 *s* 449 Putnam ave., Bklyn
Hendrickson, W. H. 3 *s* 1250 Boston ave., Bronx
Henes, L. G. 3 *s* 128 E. 93
Hennen, W. D. 2 *m* N. Y. Athletic Club, W. 59
Hennesey, J. F. 2 *m* Garfield, N. J.
Hennigen, R. A. 1 *m* 780 West End ave.
Henning, D. M. 4 *m* 411 W. 57
Henriquez, R. A. 1 *m* 780 West End ave.
*Henry, F. F. ph* *515 Macon, Bklyn*
Henssler, F. M. 1 *m* 368 Mott ave.
Hentschel, C., Jr. 3 *l* 322 W. 113
Herbert, E. 4 *m* 151 W. 61
Herché, H. H. 1 *l* 263 W. 112
Herlitzka, L. 3 *m* 97½ 7

Hernsheim, C. *ph* "The Lauriston," Madison ave. and 89
Heroy, J. H. 4 *c* 47 E. 66
Hershey, J. S. 1 *l* 519 W. 123
*Hersom, H. 3 t Longfellow Hall*
*Herts, R. L. 2 b*
*Hotel Marie Antoinette*
Hertz, H. L. 2 *s* 422 E. 57
Herz, H. 1 *l* 232 W. 25
*Herzfeld, E. G. 3 b 147 W. 86*
Herzig, A. J. 4 *m*
174 St. Nicholas ave.
Hess, E., 1 *c* 322 E. 24
*Hess, M. I. 4 t 152 Convent ave.*
Hesselgrave, C. E. *ph*
Chatham, N. J.
Heublein, A. C. 4 *m* 144 W. 65
Heuser, F. W. J. *ph* 154 Hewes, Bklyn
*Hewitt, M. L. pl*
*280 Garside, Newark*
Heyer, B. W 4 *s*
463 Lexington ave.
*Heyman, B. 1 b 134 W. 131*
Heyman, H. K. 3 *c* 130 W. 131
Heyman, S. 3 *l* 148 Newark ave., Jersey City
Heyman, W. 1 *s*
148 Newark ave., Jersey City
Hibbard, D. B. 3 *s*
522 St. Nicholas ave.
Hibler, G. H. 2 *m*
Morristown, N. J.
Higbie, H. H. 2 *s* 223 W. 105
Higbie, J. R. 1 *c*
381 Central Park. W.
Higgins, J. E. 3 *s* 413 W. 117
Higgins, S. L. 3 *m* Roselle, N. J.
*Hildreth, H. R. gr t 530 W. 123*
*Hill, A. L. 1 b 335 W. 84*
*Hill, C. M. 3 t 65 W. 83*
Hill, E. 2 *c* 183 W. 73
*Hill, F. A. sp t 74 W. 124*
*Hill, H. N. 2 b 183 W. 73*
*Hill, Mrs. M. A. pl 501 W. 50*
*West Side Neighborhood House*
Hill, P. S. 1 *l* 412 W. 115
*Hillemeier, C. M. ph 103 W. Sidney ave., Mt. Vernon, N. Y.*
Hillenbrand, F. L. 1 *m*
119 W. 119
Hillhouse, J. T. E. 1 *s*
105 Hudson Terrace, Yonkers
Hills, W. F. 3 *c* 366 W. 117
*Hilton, I. L. sp b 71st and Central Park, West*
Hinckley, F. E. *pl* 419 W. 118
Hincks, R. B. 4 *c* 242 W. 114
Hipple, J. A. 1 *l* 519 W. 123
*Hirsch, B. gr t 944 Park ave.*
Hirsch, H. 1 *l* 116 W. 126
Hirsch, I. S. 4 *m* 29 W. 114
*Hirsch, S. H. 2 b*
*1140 Madison ave.*
Hirschberg, C. N. 1 *s* 126 W. 85
Hirschthal, M. 4 *s* 644 6
*Hirshbach, H. F. 2 b 154 W. 75*
Hishida, S. *pl* 108 Waverly pl.
Hitchcock, M. L. 1 *s* 13 W. 124
Hitlin, A. 1 *m* 72 McKibben, Bklyn
Hix, M. 1 *t* 2104 Amsterdam ave.
Hoadley, H. *ph* 149 W. 13
Hoag, O. H. 3 *t*
Williamsburg, N. Y.
*Hochheimer, H. A. 1 b*
*1311 Madison ave.*
*Hochleitner, L. 3 t 520 W. 123*
Hochsprung, G. W. 2 *s*
111 Patchen ave., Bklyn
Hodgeson, H. H. 3 *s* 243 W. 109
*Hodgetts, A. S. ph 1041 Macy pl.*
Hoefling, G. C. 1 *m* 590 E. 135
Hoff, H. C. 1 *m* 1779 Madison ave.
Hoffman, A. 3 *c*
217 Hewes, Bklyn
Hoffman, E. 2 *l* 554 W. 150
Hoffman, J. F. 3 *s* 362 W. 123
*Hoffman, M. E. 1 b*
*356 Henry, Bklyn*
Hogan, T. 4 *c* 313 W. 17
Hogen, O. R. 1 *m* 318 W. 56
Hogle, J. A. sp *s* 560 W. 113
Hoguet, R. C. 3 *s*
141 and Hudson River
Hohnholz, M. E. 1 *m*
1487 1st ave.
Holbrook, R. T. *ph*
Yonkers, N. Y.
Holcomb, H. V. V. 3 *m*
Mamaroneck, N. Y.
Holden, C. A. 3 *s* 470 E. 177
Holdridge, W. H. 3 *m* 328 W. 56
Holland, H. S. 4 *c* 473 W. 152
Holliday, E. P. 1 *s*
Brevoort pl., Bklyn
*Hollis, I. M. pl 203 W. 117*
Hollister, G. B. *p* Rutherford, N. J.
Hollmann, F. W. 1 *s*
1269 Madison ave.
Holman, P. R. 2 *s* 358 W. 123
Holmes, C. A. 2 *m*
1043 Boston road
Holmes, D. A. 2 *s* 203 W. 79
Holt, B. M. 4 *c* 520 W. 123

Holt, C. 3 *s* 255 W. 45
*Holt, S. A. 3 b* *Fiske Hall, Barnard*
Holthausen, W. F. 2 *m* 136 Kent, Bklyn
Hood, E. C. *p* 520 W. 123
Hood, P. G. 2 *m* 699½ High, Newark
Hooker, H. L. 2 *m* 50 W. 89
Hooper, G. H., Jr. 1 *s* 141 W. 47
*Hope, I. M. 3 b* *130 W. 123*
Hopkins. J. G. 4 *c* 521 W. 123
Hops, D. V. 3 *l* 411 W. 117
Horcasitas, A., Jr. 1 *s* 457 W. 34
*Horn, E. 3 b* *13 Grove pl., East Orange, N. J.*
Horowitz, B. 2 *m* 65 E. 114
Horowitz, I. 3 *m* 243 E. 112
Horowitz, P. 2 *m* 544 E. 6
*House, E. A. 3 t* *Whittier Hall*
House, H. A. 1 *s* 158 W. 81
Houston, H. *pl* 1074 Washington ave.
Houston, H. E. *ph* 195 Vreeland ave., Paterson, N. J.
Houston, O. R. 2 *c* 25 Mt. Morris Park, W.
Howard, A. L. *ph* 700 Park ave.
*Howard, C. B. ph* *755 Longfellow Hall*
*Howard, C. M. 3 b* *541 W. 124*
*Howard, K. D. ph* *255 W. 95*
*Howard, L. B. gr t* *430 W. 118*
*Howard, M. E. 3 t* *1289 Columbus ave.*
Howe, A. E. 1 *m* 257 Clermont ave., Bklyn
Howe, J. P. 3 *l* 135 E. 38
Howe, J. R., Jr. 2 *l* 188 S. 9, Bklyn
*Howe, L. sp b* *University Dormitory*
*Howe, R. B. 3 b* *Fiske Hall, Barnard*
Howell, J. J. 2 *s* 210 W. 122
Howes, H. W. sp *c* 355 W. 145
Howland, De R. sp *c* 140 Woodland ave., New Rochelle, N. Y.
*Hoyt, J. F. 2 b* *17 E. 95*
Hoyt, R. P., Jr. 1 *c* 331 W. 83
*Hoyt, S. F. 1 b* *17 E. 95*
*Hubbard, F. E. 2 b* *15 W. 20*
Hubbard, G. A. S. B. *ph* 60 W. 13
*Hubbard, M. A. 1 t* *87 Centre ave., New Rochelle, N. Y.*
Hubbard, R. H. 1 *c* 138 W. 74
Hubbell, H. H. gr *t* 56 Lenox ave.
Huff, E. P. 3 *m* 219 E. 27
*Hughan, E. M. 2 b* *663 Quincy, Bklyn*
*Hughes, C. E. sp b* *114 and St. Nicholas ave.*
Hughes, D. E. sp *c* 519 W. 123
Hughes, G. E. *pl* 41 E. 69
*Hughes, M. M. 3 t* *204 W. 83*
Hughes, P. *ph* 72 E. 77
*Hulett, A. 3 t* *218 W. 48*
*Hulett, M. 3 t* *Longfellow Hall*
Hull, A. 2 *m* 8736 17th ave., Bath Beach, N. Y.
Hull, A. B. 3 *s* 53 W. 127
Hull, E. T. 2 *m* 238 W. 56
Hull, F. I. 1 *l* 105 Franklin ave., Mt. Vernon, N. Y.
Hume, R. E. *sp ph* 41 E. 69
Humphrey, F. L. 1 *s* c/o Mrs. A. Spencer Clark, 524 W. 123
Humphreys, F. B. 3 *m* 146 E. 37
Hunt, C. S. 1 *m* 15 W. 60
*Hunt, E. H. 4 b* *710 West End ave.*
Hunt, F. B. 1 *l* 73 E. 130
*Hunt, M. M. 2 b* *579 Jackson ave., Jersey City*
Hunt, P. D. 4 *c* 557 3, Bklyn
*Hunter, E. R. 1 b* *84 W. 120*
Hunter, G. W., Jr. *p* 541 W. 124
Huntting, G. H. 4 *c* 124 Quincy, Bklyn
Hurley, T. L. 2 *c* 426 W. 160
Hussey, F. V. 2 *m* 330 W. 56
Hutcheson, A. C. 1 *m* 318 W. 57
*Hutchinson, E. J. 1 b* *287 Carroll, Bklyn*
Hutchinson, R. H., Jr. 1 *m* 309 W. 101
Hutter, A. 1 *l* 352 E. 74
Hutton, A. L. 1 *m* 319 W. 107
Hutton, M. S. 1 *s* 319 W. 107
Hyams, J. A. 1 *m* 409 E. 118
Hyde, C. S. *ph* 519 W. 123
Hyde, H. St. J. *p* 210 E. 18
Hyde, J. S. 4 *m* Valentine ave. and 182, Tremont
Hyman, A. 1 *m* 166 E. 64
Hyman, D. E. 1 *m* 113 Ludlow
Hyman, W. M. 4 *s* 11 E. 80
*Hynes, H. M. 3 t* *174 W. 94*

Iglehart, C. W. 4 *c* 245 Liberty, Newburgh, N. Y.
*Ingalls, E. M. 4 b* *83 Maple ave., New Rochelle, N. Y.*
Ingraham, E. S. *ph* 495 Manhattan ave.
Insley, R. B. 3 *l* 234 W. 26
Irvine, F. B. 4 *s* 369 W. 120

Irving, P. F. 3 *m* 104 Madison ave.
*Isaacs, I. E. pl* *110 E. 73*
Isaacs, M. S. 1 *c* 312 Henry
Isaacs, S. M. 3 *c* 110 E. 73
Iselin, L. 1 *c* 3 W. 52
Ishikawa, Y. *pl* c/o Mr. C. W. Campbell, 55 W. 10
Iskowitz, H. 1 *m* 66 2d ave.
Ison, U. S. 2 *m* 143 W. 61
Israeli, P. *ph* 736 Lexington ave.
Ittleman, G. H. 2 *l* 92 Moore, Bklyn
*Ives, E. W. 1 b* *533 W. 148*

Jaches, L. 3 *m* 152 Henry
Jackson, A. F. 1 *m* 310 W. 56
Jackson, H. A. *p* 419 W. 118
Jackson, J. C. 2 *l* 216 E. 68
Jackson, J. G. 2 *l* Riverside dr., cor. 116
Jackson, R. P. 2 *c* 432 St. Nicholas ave.
Jacob, S. 1 *s* 63 W. 96
Jacob, W. H. 4 *m* 156 Jefferson, Paterson, N. J.
Jacobs, C. L. 4 *t* 722 6
Jacobs, L. 2 *m* 246 E. 74
*Jacobs, L. F. pl* *2783 Bway*
Jacobs, M. 1 *l* 11 E. 101
Jacobs, W. A. 2 *c* 2783 Bway
Jacobsen, H. B. 3 *s* 216 W. 108
Jacoby, G. W. 4 *s* 112 E. 70
Jacoby, H. E. 3 *s* 195 Edgecomb ave.
Jacocks, H. H. sp *s* 230 Central Park, S.
Jaffin, A. E. 1 *m* 299 Railroad ave., Jersey City
Jameson, C. B. gr *t* 47 W. 119
Jameson, J. W. 1 *m* 42 W. 60
Jané, A. C. 1 *m* 35 W. 65
Jarcho, I. 2 *s* 314 W. 145
Jarcho, J. 2 *m* 314 W. 145
*Jaynes, F. M. 3 t* *Longfellow Hall*
Jeffrey, S. L. 2 *m* 60 W. 93
Jenkins, B. P. 4 *c* 311 W. 97
*Jenkins, G. E. 3 t* *145 N. 2d, Mt. Vernon, N. Y.*
Jenkins, R. W. 3 *l* 173 W. 85
Jenks E. J., Jr. gr *t* Fordham Hts., N. Y.
Jenks, M. L. 3 *c* 306 W. 115
Jennings, F. D. 4 *m* 315 W. 54
Jetter, C. H. 2 *l* 306 W. 112
Jochum, H. L. 2 *s* 465 E. 57
Johnson, A. *ph* 27 W. 82
*Johnson, A. R. ph* *168 Hancock, Bklyn*
Johnson, D. W. *p* 519 W. 123
Johnson, H. *pl* 503 W. 124
*Johnson, H. M. sp t* *Longfellow Hall*
*Johnson, M. A. 3 b* *356 W. 145*
*Johnson, M. E. pl* *168 Hancock, Bklyn*
Johnson, R. McL. 1 *s* 120 Belleville ave., Newark
Johnson, R. P. 2 *s* 547 W. 125
Johnson, T. B. 2 *l* 416 W. 118
Johnson, W. H. *ph* 105 Croton ave., Ossining, N. Y.
Johnston, C. 1 *m* 720 Marcy ave., Bklyn
Johnston, M. E. 1 *m* 127 W. 61
Johnston, R. H. 4 *c* 606 W. 115
*Jones, E. B. 3 b* *43 Morton*
Jones, E. E. *ph* 363 W. 123
Jones, F. V. 3 *l* 53 W. 51
Jones, R. C. 1 *s* 244 W. 99
Jones, S. F. 4 *m* "The Royalton," 44 W. 44
Jones, T. M. 1 *s* 333 W. 87
Jones, W. *ph* Amer. Mus. Nat. Hist., Dept. Anthropology
*Joralemon, B. J. 4 t* *525 Scotland road, Orange, N. J.*
Joseph, I. J. 3 *l* 323 E. 68
Josephi, R. 1 *s* 28 W. 95
Josephs, I. S. 1 *c* 111 Lenox ave.
*Josephthal, H. E. ph* *30 E. 62*
Jouard, F. L. 2 *c* 337 E. 68
Joyce, E. R. 1 *m* 233 E. 86
Judd, E. K. 3 *s* 522 W. 123

Kaempfer, L. G. 1 *m* 261 Central Park, W.
Kahn, A. C. 1 *l* 110 W. 46
Kahn, A. L., 2 *c* 10 W. 75
Kahn, E. J. 3 *c*
Kahrs, J. D. 1 *l* 1592 Lexington ave.
Kaliski, D. J. 1 *m* 1977 2d ave.
Kalisky, A. 1 *l* 478 7th ave.
Kanner, S. H. 3 *m* 113 E. 109
Kanolt, C. W. 4 *s* 408 W. 115
Kantrowich, S. 2 *l* 61½ Mercer, Jersey City
*Kaplan, C. 1 b* *98 E. Bway*
Kaplan, M. M. *ph* 328 E. 52
Katz, D. 2 *m* 38 W. 116
Kaufman, H. H. 1 *l* 116 W. 80
*Kaufmann, J. 3 b* *58 E. 83*
Kaunitz, J. 1 *m* 83 2d ave.
Kauvar, C. H. *ph* 736 Lexington ave.
Kaye, B. M. 1 *c* 320 E. 124

Kayser, W. D. 3 *s* 1063 Lexington ave.
Keator, H. M. 4 *m* 65 Central Park, W.
Kebler, L. 2 *s* Bronxville, N. Y.
Kedian, W. M. 1 *s* 307 E. 30
Keegan, T. D. 2 *m* 156 Clinton ave., Jersey City
Keeler, G. B. 2 *l* 386 Monroe, Bklyn
Keeler, H. A. 3 *c* 782 6th ave.
Keenan, A. J. 4 *m* 138 St. James pl., Bklyn
Keep, A. B. *pl* 217 Greene ave., Bklyn
*Keil, C. E. 2 t* *402 E. 79*
Keiley, J. *ph* 35 W. 83
Keller, J. A. 1 *m* 1992 Lexington ave.
*Keller, M. R. ph* *Dormitory Bldg.*
Keller, S. C. 1 *m* 429 High, Newark
Kelley, R. H. sp *c*
*Kellogg, F. A. 4 t* *417 W. 118*
Kellogg, F. S. 1 *l* 107 John
Kellogg, H. K. W. 3 *m* 127 W. 61
Kellogg, P. U. sp *c* Metuchen, N. J.
Kelly, E. J. 3 *l* 519 W. 123
Kelly, R. 4 *c* 119 E. 72
Kemp, W. C. B. *pl* 607 W. 113
Kennan, R. A. 2 *l* 519 W. 123
Kennard, W. S. 1 *m* 762 Broad, Newark
*Kennedy, A. 4 t* *Whittier Hall*
*Kennedy, A. J. 1 b* *7 Decatur, Bklyn*
Kennedy, C. W. 3 *c* 13 Taylor, West New Brighton, N. Y.
Kennedy, J. L., Jr. 1 *m* Sturtevant House
*Kennedy, M. S. ph* *124 W. 126*
Kent, E. B. gr *t* 419 W. 118
Kent, J. M. 3 *m* 330 W. 56
Kent, R. 2 *s* Tarrytown, N. Y.
Kent, W. P. sp *c* 419 W. 118
Kenyon, H. D. 3 *m* 339 W. 55
Kernan, J. D., Jr. 3 *m* 307 W. 102
Kerr, A. T. 2 *c* 416 W. 118
Kerr, A. W. sp *c* 377 W. 125
Kerr, C. D. 1 *l* Englewood, N. J.
Kerr, W. H. *ph* 519 W. 123
Kessel, L. 3 *m* 126 W. 86
Keune, H. 1 *m* 70 W. 120
Kiernan, C. A. 1 *l* Morris ave., Fordham, N. Y.
Kilpatrick, V. E. gr *t* 226 W. 109
Kilroe, E. P. 2 *c* 166 Grand, Jersey City
Kimball, C. C. 2 *m* 110 E. 29
*Kimball, V. L. 4 b* *Fiske Hall, Barnard*
Kindgen, W. J. 1 *l* 2043 Valentine ave.
King, C. A. 1 *s* 22 E. 129
*King, E. B. ph* *205 W. 107*
*King, E. E. ph* *184 W. 135*
*King, H. L. 3 b* *360 W. 117*
King, P. W. R. 1 *l* 430 W. 118
Kingan, R. W. J. sp *c* 35 W. 73
Kingsbury, I. W. 3 *m* 318 W. 57
*Kingsbury, S. M. pl* *417 W. 118*
Kinkeldey, D. O. *ph* 41 E. 132
Kinney, V. C. 4 *m* 152 W. 62
Kinosita, Y. *pl* 110 W. 109
Kinsey, R. G. sp *s* 304 W. 115
*Kirchwey, C. B. sp b* *605 W. 113*
Kirkpatrick, F. F. 1 *l* 229 W. 101
*Kirsch, A. N. sp t* *Whittier Hall*
Kissling, L. A. 1 *m* 306 W. 128
Kleeberg, G. S. P. 1 *c* 3 Riverside dr.
*Klein, A. L. ph* *1869 7th ave.*
Klein, F. 1 *c* 206 E. 30
Klemann, G. F. 3 *m* 310 5
Knapp, C. B. 4 *m* 342 W. 58
*Knapp, Mrs. E. S. 4 t* *Yonkers, N. Y.*
Knapp, J. R. 2 *l* 62 W. 51
Knapp, T. J. gr *t* 210 Beech, Arlington, N. J.
Knauff, G. 2 *c* 176 S. Parsons ave., Flushing, N. Y.
Knight, C. C. 1 *s* 221 W. 49
*Knight, H. 1 t* *435 W. 123*
Knight, R. 4 *m* 441 W. 57
Knipe, J. B. 3 *m* 353 W. 24
Knipe, W. H. W. 3 *m* 353 W. 24
Knoblauch, G. W. 3 *s* 416 W. 118
Knoell, C. J. 3 *l* 412 W. 115
*Knowlton, M. R. 1 t* *278 W. 70*
*Knox, Mrs. E. E. sp b* *3132 Bway*
Knox, J. 2 *c*
Koenig, E. B. 3 *c* 1329 Madison ave.
Koenig, H. sp *pl* 323 Washington, Newark, N. J.
Koenig, N. A. 3 *c* 80 W. 12
Koerner, W. K. 2 *l* 521 W. 123
Koff, J. J. 1 *m* 76 E. 93
Kohler, L. F. 1 *s* 530 Macon, Bklyn
Kohn, A. H. 2 *l* 334 W. 72
Kohn, B. 1 *m* 20 Stanton

*Kohn, L. 3 b* *10 E. 60*
Kohn, W. T. 2 *l* 18 E. 95
Kohnstamm, L. 4 *s* 133 E. 71
Konno, P. *pl* 505 W. 27
Kostman, J. 2 *l* 247 Warren, Jersey City
Kraetzer, E. R. 1 *c* 267 W. 139
*Kraker, R. L. ph* *505 W. 142*
Kramer, J. J. 2 *l* 1714 Madison ave.
*Kraus, L. C. sp b* *89 W. 119*
Krause, J. J. 1 *l* 419 W. 118
Krauskopf, H. 4 *m* 236 E. 79
Kraut, M. 1 *s* 127 E. 61
Krehbiel, O. F. 4 *m* 16 W. 120
Kreshover, J. S. 2 *m* 179 Bowery
Kreuder, H. E. 2 *c*
*Kroeber, E. 3 b* *849 West End ave.*
*Kroeber, J. p* *849 West End ave.*
Kroener, G. A. 2 *m* 128 W. 64
Krumwiede, C., Jr. 4 *c* 103 W. 84
Krusa, H. B. 2 *c* 725 Driggs ave., Bklyn
Kudlich, H. E. 2 *m* 153 W. 21
Kuhr, E. O. 4 *m* 299 Stuyvesant ave., Bklyn
Kuntz, C. *ph* 1115 Simpson
Kupperman, I. 1 *m* 261 Broome
Kurpick, C. F. 1 *m* 123 W. 18, Paterson, N. J.
Kutscher, M. 1 *m* 100 Broad, Stapleton, N. Y.
*Kydd, I. E. 3 t* *203 W. 102*

Labouisse, S. S. 3 *s* 80 Grand ave., Englewood, N. J.
*Lachmund, L. M. 2 t* *Tappan, N. Y.*
Ladd, H. 2 *l* 50 W. 36
La France, G. B. 1 *m* 144 W. 65
Lahnstein, C. M. 1 *c* 1076 Lexington ave.
Lamont, J. B. 1 *c* 1 3d pl., Bklyn
*La Monte, S. L. 4 b* *Fiske Hall, Barnard*
Landauer, L. L. 2 *c* 119 W. 111
Landers, W. H. 3 *s* 614 W. 113
Lane, C. J. 4 *s* 129 Rich ave., Mt. Vernon, N. Y.
Lane, C. J. gr *t* 301 W. 129
Lang, O., Jr. 3 *m* 249 W. 55
Langdon, S. H. *ph* 41 E. 69
Langles, H. J. 1 *s* 530 W. 123
Langmuir, I. 3 *s* 185 W. 135
Langs, J. P. 4 *c* 321 W. 116
La Roche, P. B., Jr. 4 *c* 704 Madison ave.
la Rosa, F. G. 2 *s* 110 E. 106
*Latham, M. E. 3 b* *417 W. 148*
Lathrop, H. W. 2 *m* 143 W. 61
Lathrope, G. H. 2 *m* 317 W. 58
Latta, J. B. 2 *m* 37 W. 60
Lau, R. J. *ph* 218 W. 35
Lauterstein, L. 2 *l* 1873 7th ave.
Law, C. T. 3 *s* 34 Gramercy park
Lawrence, A. S. 4 *c* 524 W. 123
Lawrence, G. A. *p* 44 E. 63
Lawrie, H. N. 1 *s* 519 W. 123
Lawson, C. 2 *c*
Lawson, J. H. 4 *m* 2 W. 106
Lawson, V. K., *ph* Dr. Schuler's Inst. College Point, N. Y.
Lawson, W. W. 4 *c* 146 and Mott ave.
Lawton, M. F. 2 *c* 17 Clifton pl., Bklyn
Lawyer, L. R. gr *t* 169 W. 140
*Lazarus, V. C. sp t* *56 E. 64*
Lea, L. 2 *l* 305 W. 112
Lea, O. Jr. 2 *l* 305 W. 112
Leale, L. 3 *l* 604 Madison ave.
Leavitt, E. J. 2 *m* 465 W. 164
Leber, O. H. 3 *c* 928 Bloomfield, Hoboken, N. J.
Le Comte, J. R. 3 *m* 213 W. 130
Lederer, A. M. 1 *l* 430 W. 118
Ledoux, L. V. 4 *c* 39 W. 50
Lee, E. 4 *c* 3 Gramercy park
Lee, J. D. 1 *l* 316 W. 84
Lee, L. 4 *m* 366 W. 57
*Lee, M. D. 1 b* *316 W. 84*
*Leers, H. 2 b* *401 Straight, Paterson, N. J.*
Le Fevre, F. E., 3 *c* 55 W. 92
Leffert, B. 3 *c* 308 Lexington ave.
Leffingwell, R. C. 3 *l* 250 Palisade ave., Yonkers, N. Y.
Lefkowitz, H. N. 1 *l* 3 E. 125
Leggett, N. B. 2 *m* 143 W. 61
Lehmacher, F. 4 *m* Newark
Leiter, H. L. 3 *m* 123 W. 63
Leng, T. C. 3 *l* 4 Fletcher
Lennox, P. M. 3 *m* 441 W. 57
Lent, M. F. 3 *m* 155 W. 61
*Leo, B. sp b* *142 W. 87*
Leonard, A. J. 3 *m* 251 E. 84
*Leopold, C. R. 4 t* *166 W. 87*
Le Roy, R. 1 *c* 28 7th ave.
Lesem, W. W. 3 *m* Hotel St. Lorenz
Lesinsky, L. 2 *l* 1109 Madison ave.

Leslie, C. T. 1 *m* 236 Greene ave., Bklyn
*Lester, C. F. 3 t* *Longfellow Hall*
Levant, H. L. 1 *m* 21 Pike
Lever, L. C. Y. 3 *t* 52 Felix, Bklyn
Levin, C. 1 *m* 222 E. Bway
Levine, M. 2 *m* 64 E. Bway
Levis, R. P. 2 *l* Cor. 8th ave. and 116
Levitt, B. A. 3 *s* 696 Elton ave.
Levy, A. W. 2 *l* 202 Sands, Bklyn
Levy, B. M. 1 *c* 36 E. Bway
*Levy, E. L. 1 b* *122 E. 76*
*Levy, G. 2 b* *4 W. 93*
Levy, H. 1 *m* 300 W. 49
Levy, J. 1 *m* 28 W. 115
Levy, J. 2 *m* 333 E. 58
Levy, J. 3 *m* 231 Cumberland, Bklyn
Levy, M. A. 1 *m* 135 E. Bway
Levy, S. S. 2 *l* 328 W. 55
Lewin, F. S. 1 *m* 47 Jefferson ave., Bklyn
Lewine, R. 2 *s* 16 E. 120
Lewinson, L. J. 2 *s* 129 E. 95
Lewis, A. H. 3 *c* Greenwich, Conn.
Lewis, E. 1 *m* 134 W. 61
*Lewis, E.D. pl Fiske Hall, Barnard*
Lewis, E. H. 3 *l* 526 W. 114
Lewis, H. G. 2 *s* 104 Lexington ave.
*Lewis, I. E. 2 b* *647 Jersey ave., Jersey City*
Lewisohn, J. A. 1 *c* 9 W. 57
Lewy, H. M. 4 *c* 144 W. 93
*Lexow, C. 2 b Fiske Hall, Barnard*
*Lichten, D. E. 2 b* *1211 Madison ave.*
Lichtenstein, O. R. 3 *l* 201 Columbia hts., Bklyn
Lieb, C. C. 4 *c* 317 W. 57
Lieb, H. 1 *l* 228 Clinton
Lifshutz, N. 4 *m* 238 E. Bway
Lillard, O. W. 3 *s* 216 W. 108
Lincoln, J. W. *sp c* 519 W. 123
Lindeman, H. E. sp *c* 114 E. 64
Lindeman, M. 3 *s* 343 E. 15
Lindenberger, J. H. 1 *l* 417 W. 118
Lindheim, N. R. 2 *l* 305 W. 86
Lindsay, G. 1 *m* 207 W. 81
Lindsay, J. W. 2 *c* 298 Bway.
Lindsley, G. L. 1 *c* 68 Cleveland, Orange, N. J.
Linsly, W. W. 1 *s* 29 Irving pl.
Lippe, V. S. 1 *l* 2 Beekman pl.
Lipschutz, J. M. 1 *m* 204 E. Bway
Littebrandt, W. H. *ph* 15 Hawthorne ave., Yonkers, N. Y.
Littell, E. G. 2 *m* 635 Park ave.
Littell, R. J. 4 *c* 34 Elm, Summit, N. J.
*Littig, M. L. sp b* *113 W. 47*
Little, W. F. gr *t* Stamford, Conn.
Lobo, A. 2 *s* 237 W. 71
*Lock, M. 1 b Fiske Hall, Barnard*
*Locke, E. P. gr t* *158 W. 106*
Lockhart, E. V. sp *c* 540 W. 113
Lockman, F. I. 2 *l* 140 W. 73
Lockwood, A. F. 1 *s* 614 W. 113
Lockwood, F. W. 1 *s* 66 Summit ave., Jersey City
*Lockwood, H. Le G. 3 b* *441 Park ave.*
Lockwood, S. P. 4 *c* 29 W. 56
Loder, E. H. 3 *s* 461 S. Main, Port Chester, N. Y.
Loening, R. R. 1 *c* 152 W. 76
Loew, H. K. 4 *m* 111 W. 62
Loewy, G. J. *p* 1295 Union ave.
*Loftus, M. M. 3 t* *157 W. 61*
Logan, H. 2 *l* 112 Riverside dr.
Lohman, W. H. 2 *m* 220 W. 69
*Lohmann, Mrs. D. S. 3 t* *1017 Park ave., Hoboken, N. J.*
*London, J. F. 3 t* *206 Clinton*
Long, J. McM. 2 *m* 325 W. 58
Long, M. C. 1 *c* Hotel Empire
Long, W. B. 1 *c* 408 W. 146
*Loomis, J. H. 2 b* *606 W. 115*
*Loomis, L. R. pl* *606 W. 115*
Lorber, H. 3 *m* 159 Suffolk
Lord, W. O. 3 *m* 127 W. 63
Lorenzo, F. A. 2 *m* 141 W. 61
*Loshe, L. D. ph* *Stamford, Conn.*
Loughran, E. Du B. 4 *m* 12 W. 50
Lovejoy, F. W. 3 *s* 101 Gates ave., Bklyn
*Loveless, M. E. sp b* *2042 5th ave.*
Loveless, M. J. *pl* 353 W. 123
*Lovell, H. 3 t* *Longfellow Hall*
Loveman, H. S. 3 *c* 210 W. 139
Lowenstein, O. 2 *l* 42 E. 74
Lowenstein, S. A. 3 *l* 1270 Madison ave.
Lowrey, J. H. 4 *m* 446 Market, Newark
Lublin, C. 1 *c* 416 W. 118
*Lublin, Mrs. J. 3 t* *416 W. 118*
Lucas, R. J. 1 *s* Hearth ave., Kings Bridge
Lucke, C. E. gr *s* Kings Bridge, N. Y.
Ludlow, T. W. 3 *s* 52 Morningside ave.

Ludwig, A. *ph* 209 E. 109
Lunt, H. F. 4 *s* 417 W. 117
*Luther, E. M. ph* *151 Scotland road, S. Orange, N. J.*
*Lyall, P. W. 1 b* *367 W. 20*
Lyford, E. B. 1 *c* Porter pl., Montclair, N. J.
Lyle, M. E., Jr. 1 *c* 110 Riverside dr.
Lyne, F. F. 3 *m* 329 W. 58
*Lyon, R. 2 b* *Fiske Hall, Barnard*
Lysle, W. S. sp *s* 354 W. 120

McAlpin, E. A., Jr. *pl* 237 E. 104
McAneny, L. G. 2 *c* 25 Linden ave., Jersey City
McAnerney, J. A. 4 *s* 20 W. 49
McBride, D. A. 2 *m* 122 W. 74
McCabe, J. 4 *m* 78 Washington pl.
McCallum, J. A. *pl* 41 E. 69
McCann, J. F., Jr. 3 *l* 358 W. 120
McCastline, W. H. 3 *m* 108 E. 81
McChesney, H. F. 4 *m* 143 W. 61
McClintock, R. M. *pl* 144 N. Fulton ave., Mt. Vernon, N. Y.
McCollom, H. C. 3 *c* 416 W. 118
McCollom, W. E. 3 *m* 195 Lefferts pl., Bklyn
*McCook, J. A. 4 b* *10 W. 54*
McCorkle, H. H. sp *l* 300 West End ave.
McCormack, W. G., Jr. 1 *m* 1062 E. 197
McCormick, R. H., Jr. 2 *l* 10 5th ave.
*McCormick, R. M. 2 b* *Fiske Hall, Barnard*
McCoy, T. C. 1 *m* 143 W. 61 c/o Mrs. Gordon
McCroskery, J. H. 1 *m* 316 Hudson boulevard, Union, N. J.
McCune, R. sp *s* 301 W. 109
McCurdy, E. S. 1 *s* 320 W. 81
McDermott, J. Z. 1 *m* 10 W. 102
McDonald, A. S. 1 *s* 519 W. 123 c/o J. C. Burhan
McDonald, F. P. 1 *c* 103 W. 32
McDonald, J. E. 1 *c* 103 W. 32
*McDonald, M. I. 3 t* *304 W. 129*
McDonnell, A. J. 1 *s* 310 W. 72
McDowell, W. St. L. 3 *s* 122 W. 123
McFarland, G. H., Jr. 4 *m* 37 W. 90
McGonegal, H. S. 3 *l* 524 W. 123
McIntyre, M. 1 *s* 304 W. 75
*McIntyre, M. A. 3 t* *1 W. 127*
*McKay, M. E. 2 t* *Longfellow Hall*
McKeag, E. C. *pl* New Brunswick, N. J.
McKee, D. 2 *l* 237 W. 24
*McKee, E. Du B. 1 b* *557 W. 124*
*McKeighan, E. M. grt* *417 W. 118*
McKelden, W. B., Jr. sp *c* "The Roanoke," 288 St. Nicholas ave.
*McKenney, A. P. 4 b* *Fiske Hall, Barnard*
McKenzie, D. A. 1 *c* 36 Astor, Newark
McKinney, F. W. 3 *c* 94 Hamilton pl.
McLaughlin, C. B. 2 *s* 254 W. 136
McLaughlin, L. *ph* 254 W. 136
McLaughlin, W. J. 1 *l* 66 W. 104
*McLean, E. 2 b* *31 Highland ave., Jersey City*
*McLean, M. ph* *505 W. 138*
McLellan, H. D. 3 *l* 210 W. 119
McLintock, H. M. 1 *c* 149 W. 79
McMahon, R. C. *ph* 29 Willow, Bklyn
*McMillan, J. 3 t* *412 W. 115*
McNenney, C. E. 2 *m* 116 Mercer, Jersey City
McPhee, R. J. 2 *l* 354 W. 120
McQueen, J. A. *pl* 531 Manhattan ave.
McSheehy, M. T. 2 *m* 37 W. 60
McSheehy, T. C. 4 *m* 37 W. 60
McWhood, J. K. 3 *c* 213 N. 6, Newark
*MacAlarney, E. L. ph* *67 St. Nicholas ave.*
MacDonald, A. F. 2 *m* 129 W. 64
MacGuire, D. P. 4 *m* 35 Madison ave., New Brighton, S. I.
MacIntyre, C. B. 4 *c* 146 W. 12
MacLean, A. 4 *s* Litchfield, Conn.
*MacLean, A. B. grt* *523 W. 123*
*MacMahon, M. G. sp b* *310 Madison ave.*
MacNary, E. E. 3 *t* 213 Laurel ave., Arlington, N. J.
*MacVay, A. P. ph* *153 E. 62*
Mabey, J. C. 1 *m* Montclair, N. J.
*Mabrey, G. E. 4 t* *Longfellow Hall*
Macbean, W. A. B. 3 *m* Tarrytown, N. Y.
Macdougall, C. W. 2 *s* 356 Linden ave., Elizabeth, N. J.
Mack, E. LeR. 1 *m* 24 DeWitt rd., Elizabeth, N. J.
*Mack, M. S. grt* *153 E. 62*
Mackenzie, A. 1 *c* Dobbs Ferry, N. Y

Mackie, P. B. 1 *c* 557 W. 124
*Macurdy, G. H. ph* *Vassar, Poughkeepsie, N. Y.*
Maddock, C. L. 3 *t* Astoria, N. Y.
Madigan, J. C. 2 *l* 55 W. 84
*Maeder, E. L. 1 t* *304 E. 120*
Maeder, J. S. 2 *c*
Maculen, F. 4 *s* 306 W. 115
Mageworth, J. O. *ph* 2825 Decatur ave., Bedford pk.
Magruder, H. T. 2 *c* 4th ave. and Senator, Bay Ridge. N. Y.
*Mahan, H. E. sp b* *160 W. 86*
Mahan, L. E. 4 *c* 160 W. 86
*Mahony, A. M. 1 b* *113 E. 55*
Maisenholder, E. F. 4 *s* 505 6
Malcolm, J. D. 2 *m* 472 Central park, W.
Malcomson, A. S. 1 *s* 63 Valley rd. Orange, N. J.
Mallalieu, W. C. 1 *s* 74 Oak, Jersey City
Malmberg, T. J. W. 1 *c* 352 4th ave.
Mandelbaum, H. D. 3 *c*
Mann, A. S. *pl* 175 9th ave.
Mapes, C. S. 1 *m* 60 W. 40
Marcus, B. N. 2 *s* 121 E. 65
Marcus, J. 3 *l* 358 W. 120
Margulies, A. C. 1 *m* 182 50, Bklyn
Markham, C. L. 3 *m* 151 W. 61
Marks, E. 1 *c* 188 St. Nicholas ave.
Marks, S. B. 3 *m* 127 W. 61
Marr, A. G. 1 *s* 417 W. 117
Marsching, J. H. *pl* 414 W. 118
Marsden, A. W. 3 *l* 364 W. 118
Marsh, G. L. *pl* 41 E. 69
Marsh, H. W. gr *t* 233A Willoughby ave., Bklyn
Marsh, R. McC. 2 *l* 414 W. 118
*Marshall, F. M. gr t* *3289 Bway*
Marshall, C. B. 3 *l* 363 W. 123
Marston, C. S. 4 *s* 2048 7th ave.
Martin, F. 3 *s* 105 E. 19
Martin, H. L., Jr. 2 *l* 252 W. 121
Martin, N. B. 1 *m* 309 Hamilton ave., Paterson, N. J.
Martin, G. K. gr *t* 246 Lenox ave.
Martin, T. 2 *m* 152 W. 62
Martland, H. S. 1 *m* 1138 Broad, Newark
Marx, H. 1 *l* 6 Ridge
Mason, H. H. 2 *m* 332 W. 56
Mason, W. 2 *m* 560 Park ave.
Masuda, Y. *pl* 210 W. 127
*Matheson, W. 3 t* *32 W. 66*
Matthews, C. E. 1 *s* 87 3d ave., Newark
Matthews, F. C. 4 *m* 288 Lexington ave.
Matty, L. J. 3 *s* 358 W. 123
Maxson, H. W. gr *t* 201 W. 106
May, J. J. sp *c* 700 Park ave.
*May, L. C. sp b* *526 W. 114*
*Mayer, H. 3 t* *225 E. 63*
Mayer, L. W. 2 *s* 121 E. 69
Mead, L. D. 4 *m* 12 W. 50
Mead, N. P. *pl* 405 W. 17
Mead, R. H. 1 *s* 41 Gray, Newark
Mead, T., Jr. 2 *s* 41 Gray, Newark
Medalie, G. Z. 1 *c* 23 Henry
Meehan, V. P. 2 *s* 860 West End ave.
Meeker, H. D. 4 *m* 318 W. 57
Meeker, R. *pl* 363 W. 123
Meeks, R. sp *s* 17 W. 84
Megrue, R. C. 3 *c* 439 Manhattan ave.
Mehler, G. J. 2 *m* 441 W. 57
*Meigaard, G. de sp b* *734 Lexington ave.*
*Meigs, K. H. gr t* *10 Lawn Ridge, Orange, N. J.*
Meinzer, M. S. 1 *m* S. Amboy, N. J.
*Mellick, A. C. ph* *316 W. 84*
Mellor, F. 2 *l* 705 Lexington ave.
Melniker, A. 1 *l* Bayonne, N. J.
Meloney, L. F. 1 *m* Clifton, N. J.
Menges, C. P. 2 *s* 419 W. 47
Menges, P. C. 4 *s* 419 W. 47
Menocal, D. A. 3 *c* 251 W. 81
Mercer, G., Jr. 1 *l* 30 W. 72
Mergentime, G. 1 *m* Ogden ave. and 165
Merrell, H. B. 4 *c* 43 W. 75
*Merrill, A. E. 3 t* *889 St. Nicholas ave.*
Merrill, G. A. 1 *m* 103 W. 104
*Merrill, M. 3 b* *Fiske Hall, Barnard*
*Merrill, S. B. 3 t* *509 W. 112*
Merriman, M. H. 1 *m* 8 W. 51
Merritt, C. C. 2 *s* "The Lowell," 120 and Amsterdam Ave.
Merritt, L. R. 1 *s* "The Lowell," 120 and Amsterdam ave.
Merry, F. C. 4 *s* 906 Jefferson ave., Bklyn
Mersereau, G. 3 *s* 130 E. 36
Mersereau, H. C. 2 *l* 130 E. 36
Merwin, J. H. 2 *l* 879 West End ave.

Messenger, J. F. *ph* 519 W. 123
Messer, W. S. 1 *c* 855 Pavonia ave., Jersey City
Mestre, H. 1 *c* 303 W. 84
*Metcalfe, L. M. 2 b* *611 Bedford ave., Bklyn*
Mettler, A. J. 1 *s* 84 Henry, Bklyn
Mettler, C. G. 2 *c* 134 W. 103
Metzger, F. J. *p* 371 Manhattan ave.
*Meyer, F. A. 1 b* *48 W. 59*
Meyer, G. A. 1 *l* Ave. D and 26, Bayonne, N. J.
Meyer, G. H. 2 *m* 342 W. 58
Meyer, H. A. 1 *m* 19 St. James pl., Bklyn
Meyer, J. J. 2 *m* 60 W. 129
Meyer, R. B. 2 *l* 58 W. 113
Meyer, W. H. 4 *m* Amsterdam ave. and 190
Meyers, R. A. 4 *c* 38 Bleecker
Michaelis, A. 2 *l* 591 Lexington ave.
Middleton, G. 4 *c* 133 W. 11
Miles, G. F. 2 *s* "The Chelsea," W. 23
*Miller, A. E. 4 t* *Dormitory Bldg.*
*Miller, B. ph* *University Dormitory*
Miller, C. A. *ph* 49 W. 21
Miller, C. C. *pl* 41 E. 69
Miller, H. 3 *l* Jamaica, N. Y.
Miller, H. C. 2 *l* 417 W. 118
Miller, J. N. 2 *l* 362 W. 118
*Miller, J. W. 3 b* *314 W. 104*
*Miller, L. A. 2 b* *78 Bway, White Plains, N. Y.*
*Miller, M. E. 2 b* *64 Pennsylvania ave., Bklyn*
Miller, R. B. 2 *l* 417 W. 114
*Miller, S. 4 t* *412 W. 115*
*Miller, S. R. M. gr t* *412 W. 115*
Miller, T., Jr. 1 *s* 183 W. 73
Miller, W. E. *pl* University Settlement, 184 Eldridge
Miller, W. L. 2 *s* 358 W. 123
Miller, W. W., Jr. sp *s* 143 W. 61
Millett, D. A. 1 *l* 57 W. 94
Milliken, S. M. 4 *m* 990 Madison ave.
Milliken, S. R. 4 *m* 111 W. 62
*Mills, E. T. 2 b* *442 1, Bklyn*
Millward, J. B. 1 *s* Hotel Balmoral, Lenox ave. and 114
Millward, R. H. sp *pl* Hotel Majestic
Miltenberger, G., Jr. 1 *s* 1161 Amsterdam ave.
Minckwitz, R. A. *ph* 37 Hamilton terrace
Miner, J. B. *ph* 430 W. 118
Miner, L. L. 2 *m* 108 W. 109
Minor, H. R. 2 *s* 65 W. 73
Mitchell, G. H. 3 *l* 2 W. 82
Mitchell, H. B. *pl* 164 Washington pk., Bklyn
Mitchell, W. J. 1 *c* 216 E. 61
Mitchell, W. S. 1 *s* 24 W. 10
*Mitt, R. E. 2 b* *Cliffside, N. J.*
Mittendorf, A. D. 2 *m* 140 Madison ave.
Mittendorf, G. S. 3 *l* 140 Madison ave.
Moeller, H. N. 2 *m* 341 W. 57
Moeller, P. 2 *c*
Moën, L. 3 *s* 614 W. 113
*Moën, M. W. 3 b* *Fiske Hall, Barnard*
Moffatt, M.R. *p* Mamaroneck, N.Y.
Moffett, S. E. *pl* 351 W. 114
Moffit, A. R. 2 *m* 129 W. 61
*Moffit, C. J. 3 t* *Longfellow Hall*
Mogulesko, J. L. 1 *m* 269 E. Bway
Mohr, F. J. 2 *s* 530 W. 142
*Molwitz, E. J. 4 b* *2707 8th ave.*
Monroe, P. W. 4 *m* 35 Caryl ave., Yonkers, N. Y.
*Montell, E. 3 t* *Longfellow Hall*
Mooney, H. R. 1 *c* 243 W. 127
*Mooney, M. A. sp b* *75 Morton*
Moore, B. B. sp *s* 109 E. 38
Moore, B. V. 1 *l* 417 W. 117
Moore, C. B. *ph* 304 W. 113
*Moore, E. M. 1 t* *30 Hamilton terrace*
Moore, H., Jr. 1 *l* 408 W. 115
*Moore, H. E. ph* *Longfellow Hall*
Moore, J. B. 2 *l* Pearl River, N. Y.
*Moore, M. W. 4 b* *76 Passaic ave., Passaic, N. J.*
Moore, W. U. 3 *l* 203 W. 117
Moorhead, H. G. 3 *l* 604 W. 114
Moorhead, R. L., Jr. 2 *m* 387 Bergen, Bklyn
Morales, L. 2 *s* 537 W. 152
Morford, H. C. 1 *l* 352 Bath ave., Long Branch, N. J.
*Morgan, C. E. 2 b* *1173 Bushwick ave., Bklyn*
Morgan, J. A. gr *s* 301 W. 114
Morgan, W. O. 3 *l* 419 W. 118
Morley, F. H. 4 *s* 416 W. 118
Morley, W. R. sp *s* 542 W. 113
Morrall, C. F. 1 *c* 519 W. 123
Morrell, F. A. 2 *s* 401 W. 34

Morris, A. H. 1 *l* 39 Hart, Bklyn
Morris, D. H. 1 *c* 161 W. 87
Morris, H. I. 1 *s* 678 Macon, Bklyn
*Morrison, G. L. 3 t* *21 E. 88*
Morsch, H. W. 2 *m* 308 Ellery, Bklyn
Mosenthal, H. O. 3 *m* 181 W. 75
Moses, H. L. 2 *l* 14 Morningside ave.
Moses, J. G. 3 *c* 118 E. 55
Mosher, M. A. 2 *s* 323 W. 124
Moskowitz, H. *ph* 95 Forsyth
Mosler, F. H. 4 *m* 106 W. 69
*Moss, O. sp b* *311 E. 120*
*Mott, I. 1 b* *221 W. 123*
Mott, W. W. 1 *c* 204 W. 119
Motte, J. W. sp *c* 138 W. 67
Mott-Smith, M. C. *ph* 251 W. 107
Moulthrop, J. R. 2 *l* 847 West End ave.
Mount, W. B. 1 *m* 140 W. 92
Müller, A. M. 1 *s* 107 W. 124
Muller, N. W. sp *c* 530 W. 123
Mulligan, G. H. 3 *l* "Altamonte," Bway and 113
Mulligan, J. R. 3 *l* "Altamonte," Bway and 113
Mulroney, J. S. 1 *l* 605 Lexington ave.
*Munckwitz, M. 1 t* *125 W. 129*
Munker, M. J. 2 *c* 1 W. 92
*Munroe E. L 1 b* *262 W. 122*
Murphy, E. J. 2 *m* 773 Carroll, Bklyn
Murphy, F. P. 1 *m* 460 Madison ave.
Murphy, J. D. 4 *m* 34 W. 61
Murphy, J. L. 3 *s* 19 E. 83
*Murphy, M. A. 1 b* *65 W. 93*
Murphy, W. A. 4 *s* 119 E. 91
*Murray, L. S. 1 b* *Fiske Hall, Barnard*
Mussey, H. R. *pl* 81 Morningside pk.
*Myers, A. I. 3 t* *28 Prospect, New Rochelle, N. Y.*
Myers, J. 2 *c* 309 W. 70
Myers, P. H. 1 *m* "Columbia Arms," 118 and Amsterdam ave.
Myers, V. M. 3 *l* 430 W. 118
Myres, M. J. 2 *m* 59 E. 92

Nachumson, D. B. 1 *m* 58 W. 118
Nadolsky, W. L. 1 *s* 350 Bowery
Nagle, G. A. 1 *l* Hollis, N. Y.
Nalder, F. F. *pl* 328 W. 56
*Nammack, E. F. ph* *277 W. 84*
Narius, W. 1 *m* 10 Attorney
*Nash, N. M. 3 t* *Whittier Hall*
Nash, S. P. 2 *l* 115 E. 57
Nash, W. G. 3 *m* 441 W. 57
*Nash, W. O. 4 t* *41 Elmwood ave., S. Norwalk, Conn.*
Nason, G. F. *pl* 700 Park ave.
Nathan, M. *ph* 124 E. 59
Natori, W. *pl* 132 W. 98
*Naumburg, A. 4 b* *304 W. 71*
Naylor, G., Jr. 1 *s* 1124 Main, Peekskill, N. Y.
Neef, F. E. 2 *m* 117 W. 63
Neer, F. Y. 1 *m* 85 Hamilton ave., Paterson, N. J.
*Neer, M. L. 4 t* *Whittier Hall*
*Neergaard, G. de b* *734 Lexington ave.*
Neff, C. M. 3 *l* 111 W. 96
Neish, A. C. *p* 281 W. 119
*Neiswender, A. B. C. 4 b* *923 Marcy ave., Bklyn*
Nelson, J. F. 1 *m* 816 E. 145
Nelson, L. M. *ph* "The Arlington," 64 Montague, Bklyn
Nelson, N. W. 3 *m* Hotel Cecil, 118 and St. Nicholas ave.
Nemoitin, J. 1 *m* 186 Madison
*Nesbit, M. O. 3 t* *88 Buena Vista ave., Yonkers, N. Y.*
Nesbit, W. M. 4 *c* 841 West End ave.
Neugass, S. 2 *s* 257 W. 132
Neuhof, H. 1 *m* 235 E. 86
*Neuman, H. sp b* *70 E. 81*
Neumann, W. 3 *m* 10 Ave. A
Neus, E. gr *s* 338 E. 72
Neuwelt, L. 1 *m* 31 W. 111
*Nevins, D. R. 2 b* *682 President, Bklyn*
*Newborg, H. pl.* *33 E. 67*
Newburger, H. W. 2 *c* 118 W. 111
Newcomb, R. C. 1 *s* 358 W. 118
*Newcomb, V. ph* *448 Central park, W.*
Newell, W. 1 *c* 526 W. 114
*Newman, E. L. 4 b* *Riverside, Conn.*
Newman, R. 1 *m* 68 Suffolk
Newmann, C. A. 2 *m* 44 E. 129
Newmann, F. J. 3 *m* 58 E. 114
*Newton, E. B. 3 b* *554 Bedford ave., Bklyn*
Newton, E. R. 1 *s* Haverstraw, N. Y.
Nichols, C. 1 *c* 413 S. Bway, Yonkers, N. Y.
Nicholson, J. M. 3 *s* 112 E. 28

Nicoll, A. 3 *m* 771 Bway
Nicoll, G. L. 1 *s* 606 W. 113
Nicoll, L. F. 3 *m* 40 E. 53
Nicoll, W. 1 *m* 771 Bway
Nieder, P. G. 1 *s* 343 W. 121
Nisselson, M. 1 *m* 253 Broome
*Nitze, A. N.* *235 W 120*
Noble, F. C. 1 *c* 48 W. 73
*Noble, H. G. 4 t* *432 Hoboken ave., Jersey City*
Noble, U. A. 2 *m* 127 W. 63
Noehren, A. H. 1 *m* 169 W. 140
*Nones, S. F. 2 b* *159 W. 78*
*Nordell, A. 4 t* *112 E. 22*
*Nordell, H. E. 4 t* *112 E. 22*
Norris, E. M. 1 *s* 7 E. 53
Norsworthy, H. R. 2 *s* 234 W. 122
Nova, A. I. 2 *l* 143 Grand, Bklyn
Noyes, Wm. 4 *t* 370 W. 120
Nurick, H. J. 1 *s* 2116 2d ave
Nusim, M. 1 *s* 175 Orchard
*Nutt, R. E. 2 b* *Cliffside, N. J.*
*Nutting, H. gr t* *110 E. 17*
*Nye, F. I. 1 b* *2 Mt. Morris pk., W.*

Oberlander, H. C. 1 *s* 96 7
Obert, C. W. 4 *s* 518 W. 151
O'Brien, J. L. 1 *m* 53 E. 129
*O'Brien, S. t* *315 Hudson boulevard, Weehawken, N. J.*
O'Brien, T. E. 2 *l* 247 Marcy ave., Bklyn
O'Connell, F. L. 2 *c* 157 W. 119
O'Connor, J. C. 2 *m* 210 W. 69
O'Crowley, C. R. 2 *m* 12 Lombardy, Newark
Odell, H. R. 3 *c* 627 W. 115
Odell, L. S. 3 *c* 98 Henry, Bklyn
*Odencrantz, T. C. 2 t* *5 W. 118*
O'Donovan, L. J. 4 *s* 302 W. 72
Ogan, M. L. 3 *m* 62 W. 132
Ogden, C. J. 2 *l* 250 W. 88
*Ogilvie, I. H. p* *Sherman Square Hotel*
*O'Grady, C. G. sp b* *417 W. 118*
O'Laughlin, G. S. 3 *c* 521 W. 149
Olcott, G. P. 2 *m* E. Orange, N. J.
O'Leary, W. J. 2 *m* 254 W. 55
Olin, R. H. sp *e* 2026 7th ave.
Ollive, T. M. 1 *c* 23 W. 74
Olsen, R. B. *pl* 354 W. 119
Olyphant, R. M., Jr. 1 *s* 16 E. 52
O'Neil, F. S. 2 *l* 1161 Amsterdam ave.
O'Neil, J. S. 2 *l* 242 Central park, W.
O'Neill, H. P. 4 *m* 175 W. 97
Oppenheimer, E. D. 2 *c* 56 E. 66
*Oppenheimer, F. pl* *31 W. 74*
Oppenheimer, F. G. 4 *c* 172 W. 79
Opper, L. 1 *c* 360 W. 123
Orlando, J. 1 *m* 311 E. 106
*Ornstein, M. p* *147 W. 71*
O'Rourke, M. F. 4 *m* 308 E. 13
Ortega, G. L. 1 *s* 214 W. 108
*Osborn, B. M. ph* *82 N. Bway, Yonkers, N. Y.*
Osborn, C. W. 2 *c* 1925 7th ave.
*Osborne, E. ph* *321 W. 106*
Osborne, H. S. 3 *s* 321 W. 106
Osgood, C. 3 *m* 349 W. 58
O'Shea, W. J. *ph* 104 Keap, Bklyn
Ossoski, Sidney, 3 *l* 210 W. 119
Ostrom, C. W. 3 *s* 277 8, Jersey City
Otis, S. 2 *s* Hudson terrace, Yonkers, N. Y.
Ott, C. A. 1 *s* 1972 3d ave.
Otten, L. F. 1 *c* 250 W. 88
Ottenberg, I. 2 *c* 58 E. 92
Ottenberg, R. 4 *c* 58 E. 92
Owen, K. D. 1 *s* 70 Christopher, Montclair, N. J.
Owens, G. C. 3 *m* 127 W. 63

Paddock, B. W. 2 *m* 317 W. 58
Page, A. W. 4 *m* 251 W. 55
Page, B. E. 3 *l* 309 W. 103
Page, W. M. sp *s* 47 W. 74
Palliser, B. S. 3 *s* Dobbs Ferry, N. Y.
*Palliser, H. L. 1 b* *Dobbs Ferry, N. Y.*
Palma, J. E. 1 *l* 519 W. 123
Palmenberg, O. W. sp *s* 107 W. 70
Palmer, L. R. 3 *m* 157 W. 61
Palmer, M. 3 *s* 51 W. 131
Palmer, R. S. 2 *l* 146 W. 104
Papaziantz, M. V. sp *pl* Gen. Theo. Sem., Chelsea sq.
Pappenheimer, A. M. 4 *m* 40 E. 65
Parham, F. E. 1 *l* 528 W. 123
Parker, A. 1 *l* "The Evelyn," Columbus ave. and 78
Parker, L. A. 1 *m* 262 McDonough
*Parker, L. H. 1 b* *217 E. 27*
*Parker, M. A. 2 b* *797 Madison ave.*
Parkin, W. M. 4 *s* 542 W. 113

Parkinson, J. McD. 3 *m* 328 W. 56
Parks, J. W. 3 *l* 103 E. 21
Parr, H. L. 2 *c* Yonkers, N. Y.
*Parrot, A. B. 2 t* *159 W. Grand, Elizabeth, N. J.*
Parsons, G. S. 3 *l* 267 Halsey, Bklyn
*Parsons, H. G. 3 t* *Whittier Hall*
Parsons, T. 3 *l* Hempstead, N. Y.
Paterson, D. C. 3 *m* 105 W. 88
Patri, A. gr *t* 453 E. 117
Patterson, A. C. 2 *l* 19 E. 45
Patterson, E. De W., Jr. 2 *l* 305 W. 112
Pattison, M. A. 4 *s* 310 W. 115
Paur, H. S. S. 2 *c*
Payson, H. 1 *s* 627 W. 115
Peabody, J. R. 3 m 366 W. 57
*Peabody, M. G. 3 t* *Longfellow Hall*
Pease, G. W. *ph* 91 Northampton ave., Springfield, Mass.
Pease, T. N. 3 *m* 44 Bway
Peck, H. M. 1 *s* 2 W. 36
Peckham, C. P. 1 *m* 50 South, Newark
*Peek, B. E. 3 t* *528 W. 123*
Peet, T. *ph* 22 W. 45
Peets, C. S. 1 *s* 169 W. 94
Pell, W. 4 *c* St. Anthony Hall, Riverside dr. and 116
*Pelton, E. C. 4 t* *520 W. 123*
Pelton, E. F. 4 *s* 240 W. 104
Pelton, R. T. 2 *s* 358 W. 123
Pembroke, E. R. 3 *s* 362 W. 123
Pentlarge, V. H. 4 *m* 441 W. 57
Pentz, J. B. 2 *m* Hamilton park, New Brighton, N. Y.
*Percival, M. gr t* *Longfellow Hall,*
Percy, H. F. 2 *s* 130 W. 109
*Perham, B. E. 4 t* *523 W. 123*
*Periam, A. ph* *55 Roseville ave., Newark*
Perkins, I. C. 2 *c* 163 W. 121
*Perley, M. H. 3 t* *Longfellow Hall*
Perlman, W. 2 *s* 148 Madison
Perrin, E. N. *ph* 312 W. 113
Perrine, W. W., Jr. 4 *c* 820 West End ave.
Perry, T. L. 3 *c* 925 West End ave.
Persons, W. F. *pl* 1030 Park ave.
Persons, F. T. *ph.* 41 E. 69
Peskin, S. *pl* 123 E. 100
*Peters, G. M. 4 b* *Fiske Hall, Barnard*
Peters, H. T. 3 *c*
Peters, J. D. 2 *m* 139 W. 63
*Peters, L. E. 1 b* *39 W. 10*
*Pettee, A. 3 t* *Longfellow Hall*
Pettigrew, F. S. sp *c* Netherlands Hotel
Pettit, R. W. 1 *m* 134 W. 61
Pettit, W. S. 2 *l* Far Rockaway, N. Y.
*Pfizer, A. M. H. pl* *295 Washington ave., Bklyn*
Pfletschinger, F. 4 *m* 315 W. 54
Pheil, J. G. 2 *l* 554 W. 125
*Phelps, E. 4 b* *412 West End ave.*
*Phelps, E. H. gr t* *59 Morningside ave.*
Philipp, P. B. 2 *l* 691 Madison ave.
Phillips, F. G. 4 *m* 339 W. 55
Phillips, J. F. 1 *l* 606 W. 113
Phillips, L. 4 *c* 1133 Bway
*Phillips, R. C. 2 b* *238 W. 21*
Phillips, U. B. *pl* 316 W. 115
Phipps, C. B. *p* 422 W. 47
Pickering, J. C. 2 *s* 51 W. 130
Pickhardt, E. W. S. *ph* 145 E. 62
Piel, W. F. J. 1 *c* 118 Lefferts pl., Bklyn
Pierce, W. L. S. 1 *s* Scarborough-on-Hudson
Pierpont, D. C. 3 *m* 60 W. 66
Pierrepont, R. S. 1 *c* 216 Columbia hts., Bklyn
Pierson, H. M. 3 *m* Roselle, N. J.
Pigott, S. J. 3 *s* 639 Lexington ave.
Pilcher, S. C. 2 *l* 411 W. 117
Pillow, J. H. 2 *m* 332 W. 58
*Pinckney, M. M. 3 t* *416 W. 118*
Pincus, W. 2 *m* 3 De Kalb ave., Bklyn
Pitkin, H. W. 2 *l* 523 W. 123
Pitou, E., Jr. 2 *c* 182 W. 87
Pitske, E. D. 2 *c* 365 W. 119
Pitt, G. 1 *c* New Rochelle, N. Y.
Pitt, L. P. sp *s* 450 Manhattan ave.
*Platt, A. H. 3 t* *939 8th ave.*
*Plumb, C. C. 3 t* *345 Grier ave., Elizabeth, N. J.*
*Plunkett, H. M. 3 t* *Whittier Hall*
Poinier, H. LeB., 4 *c* 75 Mitchell pl., E. Orange, N. J.
Pollak, A. W. 4 *m* 346 E. 58
*Pollak, W. V. 3 b* *210 Lenox ave.*
Pollard, J. J. 1 *m* 37 Delaware ave., Paterson, N. J.

Pond, C. M. 3 *s* 76 Liberty ave., New Rochelle, N. Y.
Pond, O. L. 3 *l* 61 W. 104
*Pool, E. M. 3 b* *267 W. 79*
*Poole, K. E. 3 b* *733 Madison ave.*
*Poor, E. B. sp b* *1 Lexington ave.*
Popper, E. 2 *s* 260 W. 93
*Popper, H. L. 2 b* *260 W. 93*
Porter, J. C. 1 *s* 366 Madison, Bklyn
Porter, J. Y., Jr. 1 *m* "Harold Court," 102 and Bway
Posner, E. R. 3 *m* 138 W. 64
*Potter, E. H.* *Longfellow Hall*
Potter, P. S. 3 *m* 316 W. 56
Potts, G. H. 2 *c* 138 W. 57
Potts, R. B. 4 *c* 39 E. 39
Pou, R. E. 3 *m* 366 W. 57
Powell, F. J. 1 *s* 331 E. 17
Powell, W. R. 3 *s* 128 W. 126
*Powers, F. M. 3 t* *228 W. 105*
*Powers, Mrs. K. N. 3 t* *430 W. 118*
Powers, M. T. 1 *m* 143 W. 63
Powers, W. H. 4 *s* 12 W. 75
Prall, J. G. 1 *c* Grand, Elmhurst, L. I.
*Pratt, J. S. 1 b* *82 Maple ave., New Rochelle, N. Y.*
Preble, S. 3 *t* 30 E. 22
Prescott, C. I. 1 *m* 149 W. 64
Prettyman, V. 2 *m* Bway and 121
Pretzfeld, C. J., 1211 Madison ave.
Pretzfeld, H. F. 3 *l* 59 E. 83
*Priest, L. T. 3 t* *55 Pineapple, Bklyn*
Prince, H. S. 4 *c* 430 W. 118
Prout, G. P. 3 *s* 604 W. 114
Province, O. A. 4 *m* 129 W. 61
Puente, A. M. 3 *m* 418 W. 57 c/o Mrs. Corrigan
Pugliese, A. J. gr *t* 215 E. 118
Pulliam, C. LeC. 2 *l* 235 W. 122
Pullich, C. sp *s* 316 W. 115
Pullich, O. 4 *c* 316 W. 115
Pumyea, P. C. 1 *m* Allentown, N. J.
*Purdon, F. H. 1 b* *606 W. 114*
*Putnam, B. H. pl* *335 W. 86*
Putnam, E. W. 1 *m* 306 W. 77
Putnam, W. H. 2 *c* 507 West End ave.
Putzel, R. M. 2 *c* "The Ashton," 93 and Madison ave.
Pyle, F. W. 4 *m* 350 W. 55

Quackenbos, G. P. *ph* 331 W. 28
Quimby, E. S. *ph* 123 W. 121
Quinn, C. M. 2 *m* 129 W. 64
Quinn, J. H. sp *c* 412 W. 115

Rabinovitz, D. 1 *m* 172 Jersey, N. Brighton, N. Y.
Radin, H. T. 4 *m* 347 E. 116
Radin, M. *ph.* 347 E. 116
Radjik, B. 1 *m* 32 Atlantic ave., Bklyn
*Raitt, E. B. 3 t* *302 W. 118*
*Ramage, L. M. 3 t* *100 and Riverside dr.*
*Rand, E. E. gr t* *158 W. 106*
Randolph, H. S. F. 1 *s* 1730 Bway
*Rauh, F. E. 3 b* *54 E. 73*
Rawolle, F. C. 1 *s* Hotel Margaret, Bklyn
Ray, E. R. 1 *s* 419 W. 118
Ray, T. H. 1 *l* 555 W. 182
Raygada, P. E. 2 *s* 251 W. 116
Read, T. T. 4 *s* 85 Cumberland, Bklyn
Reardon, B. E. 1 *l* 343 Riverdale ave., Yonkers, N. Y.
Rearick, A. C. 1 *l* 227 W. 122
Recknagel, W. E. 3 *m* 330 W. 57
*Reddick, H. A. H. 3 t* *129 W. 53*
Redington, E. J. 2 *l* 54 Morningside ave.
*Reeder, I. M. 1 b* *W. 73 and Riverside dr.*
*Reeder, R. A. 1 b* *W. 73 and Riverside dr.*
Reeve, H. M. 1 *m* 31 W. 92
*Regan, A. H. sp t* *9 W. 128*
*Regan, M. A. 3 t* *9 W. 128*
Reich, W. I. 4 *s* 228 W. 34
Reid, E. J. 2 *s* 1200 Franklin ave.
*Reid, F. E. 3 t* *315 Garfield, Jersey City*
Reid, R. L. 3 *m* 148 W. 91
*Reiley, A. C. 1 b* *2682 Bway*
*Reiley, K. C. ph* *2682 Bway*
*Reimer, I. A. pl* *28 N. Maple ave., E. Orange, N. J.*
Reis, A. M. 2 *c* 609 West End ave.
Reis, L. R. 4 *s* 609 West End ave.
*Reitlinger, B. H. 1 b* *66 W. 68*
Rendell, G. E. 2 *l* 328 W. 113
*Rennert, R. J. p* *98 E. 114*
*Reppenhagen, L. 2 t* *Whittier Hall*
Reynolds, J. J. gr *t* 843 E. 158
*Rheinstein, A. M. 1 b* *55 W. 89*
*Rhoades, F. F. 3 t* *60 Manhattan ave.*
Rhoades, L., Jr. 4 *c* 132 W. 70

Riblet, R. F. 1 *c* 343 E. 68
Rice, J. F. 4 *m* 318 W. 57
Rich, E. G. 1 *c* 222 W. 139
*Rich, J. P. 4 t* *304 W. 51*
Richmond, J. P. W. 4 *s*
1144 Tinton ave.
Ricketts, H. E. 1 *m* 328 W. 56
Ridder, B. H. 3 *c* 447 E. 84
Riedel, C. O. 2 *s*
304 Clermont ave., Bklyn
Riederer, H. S. *p* 251 W. 95
Rigby, S. F. 4 *s* 412 W. 115
Riggs, A. F. 4 *m* 15 W. 39
Riggs, L., Jr. 3 *c*
*Riley, M. 3 t* *22 Powell, Bklyn*
Ring, A. E. 1 *s*
Sheridan ave. and 159
Ringer, P. H. 2 *m* 325 W. 58
Ringland, R. F. 3 *m*
Montclair, N. J.
Rionda, L. J. 4 *s* 464 W. 145
Rios, J. 1 *s*
Rivera, J. M. sp *s* 39 W. 26
Roach, L. J. 1 *l* 408 W. 115
Robbins, C. B. 1 *l*
104 Lexington ave.
Robbins, R. D. 2 *c* 500 W. 143
Roberts, A. E. *p* 162 W. 116
Roberts, C. F. sp *m* 245 E. 19
Roberts, F. W. 1 *m*
26 Manhattan ave.
*Roberts, H. E. 3 t* *130 Rich ave., Mt. Vernon, N. Y.*
*Roberts, Mrs. M. C. 3 t* *526 W. 114*
Robinson, A. F. sp *c* 369 W. 120
*Robinson, A. M. 3 b*
*University Dormitory*
Robinson, E. M. 3 *m* 13 Orchard
*Robinson, G. 3 t* *417 W. 118*
Robinson, J. L. 2 *c* 524 W. 123
Robinson, J. P. 1 *c* 178 Main, Orange, N. J.
Robinson, R. C. 2 *m* 339 W. 55
Robinson, W. B. 1 *l* 118 W. 98
*Rochester, A. sp b*
*Englewood, N. J.*
Rochester, T. W. 1 *s* 58 Paterson, Jersey City
Rodman, B. B. 1 *c* 846 Boulevard, Astoria, N. Y.
*Rodman, H. 3 t* *846 Boulevard, Astoria, N. Y.*
Rodriguez, F. 2 *s* 536 W. 114
*Roe, H. E. 4 t* *217 W. 121*
Rogers, A. 2 *s* 214 W. 128
Rogers, A. F. *p* 363 W. 123
*Rogers, H. M. 3 b*
*Fiske Hall, Barnard*
Rogers, R. B. 1 *s* 166 W. 105
Rogers, W. L. 3 *l* 354 W. 119
Rokeach, A. 3 *m* 52 E. 122
Rolle, S. 1 *s* 106 E. 82
Rollins, F. *ph* 356 W. 145
Rollins, W. F. sp *c* 354 W. 120
*Rollinson, E. H. 1 t*
*Rahway, N. J.*
Romano, S. C. 1 *m* 2081 2d ave.
Rood, W. H. 1 *l* 29 W. 126
*Rooney, K. E. sp t* *14 Franklin*
Roop, M. J. gr *t* Ridgefield, N. J.
Ropes, C. 3 *c* 419 W. 118
Rose, C. R. 4 *c*
507 Manhattan ave.
Rose, E. K. 2 *m* 463 Hudson
Rose, H. D. 1 *l* 320 W. 81
Rose, J. T. 2 *m* 220 W. 69
Rose, R. H. 4 *m* 143 W. 61
Rosecrants, G. S. 3 *t* 216 E. 114
Rosen, I. 3 *m* 124 Ridge
Rosenbaum, M. 3 *m* 73 Cannon
Rosenberg, A. 1 *m* 617 6
*Rosenberg, A. E. 1 b* *14 W. 88*
*Rosenblatt, B. sp b* *55 E. 92*
Rosenblatt, G. B. 4 *s* 58 W. 49
Rosenblüth, B. 4 *m*
737 Tremont ave.
Rosenbluth, M. 4 *m* 102 Attorney
Rosenheck, C. 1 *m* 401 E. 90
Rosenson, H. J. 1 *c*
63 Morton, Bklyn
*Rosenstein, A. 4 b* *49 W. 96*
Rosenstein, H. 1 *m* 278 Stanton
Rosenthal, J. sp *m* 501 W. 140
Rosenthal. L. W. 4 *s*
203 W. 112
Ross, S. McN. 3 *s* 203 W. 103
Ross, W. H. 2 *m*
219 Penn, Bklyn
Rossbach, W. sp *c* 49 Oak, Mt. Vernon, N. Y.
Rossberg, W. N. 2 *s* 323 W. 124
Rothschild, C. G. 2 *s* 4 E. 67
Rothschild, S. 3 *l* 337 E. 51
Rothschild, W. L. 1 *c* 466 Bway
Rowan, E. A. 1 *l* 133 W. 22
Rowland, H. H. 3 *m* 318 W. 56
Royall, E. D. 3 *m* 357 W. 55
Royall, J. R. 2 *c* 357 W. 116
*Royce, S. G. ph* *74 W. 124*
Roys, C. K. 4 *m* 328 W. 56
Royse, S. D. 2 *l* 305 W. 112
Rozen, L. A. 1 *l*
1576 Lexington ave.
Rubin, I. 1 *m* 233 5
Rubinow, I. M. *pl*
1692 Lexington ave.

Ruef, J. W. 1 *l* 5 Convent Hill, W. 130
Rupp, F. L. 1 *s* 359 W. 34
*Rühl, A. 2 t* *499 11, Bklyn*
Ruland, N. sp *s* 53 Linden ave., Bklyn
Runyan, L. P. 3 *m* 14 Union, N. Brunswick, N. J.
Ruskay, B. 3 *s* 244 E. 86
Russ, W. E. sp *s* 521 W. 123
Russell, C. E. L. 1 *m* 60 W. 104
Russell, D. L. 1 *m* 34 Clendenny ave., Jersey City
Russell, P. W. 3 *l* 104 Lexington ave.
Ryan, J. P. 3 *m* 147 W. 63
Ryan, P. F. 2 *l* 402 W. 115
Ryan, S. E. 1 *m* 152 W. 62
*Ryland, M. G. 3 t* *220 W. 45*
*Ryshpau, B. sp b* *1206 5th ave.*

*Sage, E. 4 t* *2337 Bway*
St. Clair, H. H. 2d *ph* 131 W. 111
St. John, T. R. 4 *c* 308 W. 115
St. John, W. W. 1 *m* 308 W. 115
Saladino, S. 3 *m* 387 Broome
Salant, W. *p* 36 W. 114
*Saleski, M. A. pl* *224 E. 88*
*Salik, A. 1 b* *214 Rivington*
Sample, C. W. C. 2 *s* 824 Lexington ave.
Sample, S. J. 1 *l* 530 W. 123
Sand, E. L. sp *c* Ardsley-on-Hudson, N. Y.
Sanders, G. 1 *m* 230 W. 101
*Sanford, M. T. 3 t* *400 W. 151*
Sanger, C. 2 *s* 126 W. 111
Sanguinetti, P. 3 *s* 440 St. Nicholas ave.
*Sanville, F. L. pl* *606 W. 115*
Saphir, J. F 4 *m* 347 Grand, Bklyn
Sapir, E. 1 *c* 873 1st ave.
Sargent, F. A. 3 *m* 23 W. 65
Sartori, A. J. 2 *m* 28 Roosevelt
Sartorius, O. W. 1 *s* 184 Washington pk., Bklyn
Satenstein, D. L. 4 *m* 24 W. 126
Saunders, T. L. 2 *m* 414 W. 118
Savage, L. L. 1 *s* 411 W. 117
Sayers, E. L. 3 *s* 218 W. 121
Scanlon, I. A. 1 *m* Haverstraw, N. Y.
Schaefer, E. P. 1 *m* 444 S. 7, Newark
Schapiro, J. 1 *m* 130 Rivington
*Scharff, U. E. ph* *63 Cambridge pl., Bklyn*
Scharps, A. 3 *l* 70 W. 52
Scharps, C. E. 3 *c* 102 W. 75
Schaus, C. J. 2 *s* 22 White,
Schayer, M. 1 *m* 26 E. 118
Scheina, O. 3 *m* 1997 Lexington ave.
Scheinberg, L. 4 *m* 50 Attorney
Schenck, G. H. 2 *m* 143 W. 63
Scherrer, J. A. 4 *s* 1161 Amsterdam ave.
Schieffelin, G. R. D. 1 *s* 8 E. 45
*Schiller, B. gr t* *13, bet. 7th and 8th aves., College Point, L. I.*
Schlivek, K. 2 *m* 316 E. 79
Schlockow, O. *ph* 914 Forest ave.
Schlosser, P. 4 *s* 2 E. 92
*Schlussel, E. R. 1 b* *37 W. 74*
Schmidt, F. S. 3 *s* 90 2d ave.
Schmidt, H. F. 3 *s* 351 W. 114
Schneider, C. A. 2 *s* 358 W. 118
Schnepel, G. A. 3 *m* 182 W. 82
Schock, D. R. 2 *s* 528 W. 123
Schoen, E. J. 4 *s* 57 2d ave.
Schramm, A. O. 2 *c*
Schreiber, C. T. 2 *s* 743 Bushwick ave., Bklyn
Schreiber, H. W., Jr. 1 *s* 676 Willoughby ave., Bklyn
*Schrenkeisen, H. 1 b* *17 E. 75*
Schroeder, R. C. T., Jr. sp *c* 1045 Bloomfield, Hoboken, N. J.
Schück, T. J. 2 *m* 1228 Garden, Hoboken, N. J.
Schueler, A. P. 2 *s* 38 E. 62
Schulman, M. 1 *m* 8620 17th ave., Bath Beach, N. Y.
Schulman, R. 3 *c* 150 Manhattan ave., Bklyn
Schulte, H. von W. 4 *m* 47 W. 25
*Schultz, N. 1 b* *127 W. 85*
Schur, C., Jr. 1 *m* 600 Park ave.
Schuster, E. 4 *c* 133 W. 116
Schuyler, M., Jr. *ph* 1025 Park ave.
Schuyler, R. L. 3 *c* 1025 Park ave.
*Schwabe, I. 4 t* *73 E. 85*
Schwartz, D. B. 1 *m* 354 Pacific, Bklyn
Schwartz, M. E. 1 *m* 47 Pike
Schwartz, M. H. 1 *l* 2731 Bway
Schwed, H. 1 *c* c/o Mrs. P. Cowan, 123 W. 111
Schwegler, G. 1 *s* 201 W. 85
*Schwerin, N. P. 3 t* *100 W. 80*
Scott, A. C. 1 *s* Westchester, N. Y.
*Scott, B. T. 1 b* *University Dormitory*

Scott, F. 1 *s*
Scott, G. G. *p* 42 Park, Montclair, N. J.
Scott, I. G. 1 *c* 870 Bway
Seaman, F. C. 1 *l* 135 St. James pl., Bklyn
Sears, W. H. 2 *s* 314 E. 35
*Seaton, G. M. 3 t* *846 Boulevard, Astoria, L. I.*
Seckel, W. 4 *m* 154 E. 79
*Secrest, M. 4 t* *University Dormitory*
Seff, I. 4 *m* 1716 Madison ave.
*Seguine, L. R. 3 b* *Rosebank, N. Y.*
*Seibert, J. R. 4 b* *Fiske Hall, Barnard*
Seifert, K. F. J. 4 *s* 540 E. 157
Seil, H. A. 3 *c* Perth Amboy, N. J.
*Selfridge, S. M. sp b* *950 Madison ave.*
Seligmann, R. A. 3 *l* 124 E. 80
Seligsberg, W. N. 1 *l* 1034 Park ave.
Selleck, E. E. 4 *m* 318 W. 57
Sellzy, S. A. 3 *c*
Selvage, I. L. 2 *c* 546 Clinton ave. Newark
Sergeant, H. De F. 2 *s* 54 N. England ave., Summit, N. J.
Seringhaus, F. W., Jr. 2 *s* 954 8th ave.
Serota, H. M. 1 *m* 1683 Washington ave.
Serrano, V. 4 *s* 3 W. 81
Severson, I. W. 1 *m* 328 W. 56
Sewall, F. H. 4 *c* 37 W. 22
*Seward, A. L. 4 b* *East Orange, N. J.*
*Seward, B. W. 1 b* *Fiske Hall, Barnard*
*Seymour, B. gr t* *Longfellow Hall*
Seymour, J. C., Jr. 1 *c* 622 W. 147
Sgier, M. J. 1 *m* 1036 Myrtle ave., Bklyn
*Shaen, M. C. 4 b* *31 St. Andrew's pl., Yonkers, N. Y.*
*Shainwald, M. S. 2 b* *661 5th ave.*
Shainwald, R. L., Jr. 3 *c* 661 5th ave.
*Shanley, M. E. 1 b* *162 E. 46*
Shannahan, R. J. 3 *m* 34 W. 61
Shapiro, A. I. 1 *m* Yonkers, N. Y.
Shaw, C. F. *pl* 41 E. 69
Shaw, F. S. 3 *s* 78 W. 105
Shaw, I. D. gr *t* 144 W. 104
Sheehan, W. J. 1 *m* Norwalk, Conn.
Shenkowitz, W. A. 2 *l* 529 W. 123
Shenstone, N. S. 1 *m* 149 W. 64
Shepard, W. A. 2 *l* 243 W. 99
*Shepherd, F. A. 4 t* *37 Morningside ave.*
Sherman, A. L. 2 *m* 350 W. 55
*Sherman, L. F. 3 b* *Peekskill, N. Y.*
Sherron, G. A. 2 *s* Rowayton, Conn.
Shidlovsky, J. 2 *l* 17 Catharine
Shields, H. 3 *c* 544 W. 113
Shiels, A. *ph* P. O. 40, 20, 1st and 2d aves.
Shipherd, T. M. *pl* 41 E. 69
Shipman, C. S. 4 *m* 1 W. 128
Shipp, E. M. 1 *s* 460 W. 152
Shoaff, F. B. 2 *l* 414 W. 118
Shoemaker, W. B. 4 *c* 26 W. 53
Shoenfeld, J. B. 3 *c* 14 E. 76
Shreve, J. N. 4 *s* 110 W. 74
Shufro, J. J. *pl* 11 Eldridge
Shultz, M. E. 2 *m* 296 Whiton Jersey City
Shugerman, H. P. 1 *m* 300 W. 49
Shwitzer, S. D. 2 *l* 116 W. 136
Silk, M. 4 *m* 450 W. 57
Sill, F. H. 1 *s* 312 W. 115
*Sill, K. A. 3 t* *304 Mulberry*
Silliman, J. C. 2 *m* 318 W. 57
Silverman, H. L. 1 *s* 306 W. 113
Sime, G. B. 3 *t* 361 W. 121
Simmons, F. A. 3 *m* 339 W. 55
Simonds, R. A. *pl*
Simonds, W. B., Jr. 1 *c* 207 W. 79
Simons, A. G. 3 *s* 128 St. Paul's ave., Tompkinsville, N. Y.
*Simons, L. W. 3 t* *393 Westchester ave., Port Chester, N. Y.*
*Simpson, E. B. ph* *1161 Amsterdam ave.*
Simpson, K. M. 3 *c* 419 W. 118
Singer, C. E. 2 *s* 404 Decatur, Bklyn
Singer, D. 1 *m* 166 E. 108
Sinnott, J. J. 3 *m* 242 S. 2d ave., Mount Vernon, N. Y.
*Skinner, A. B. 3 t* *Fredonia, N. Y.*
*Skinner, A. M. gr t* *524 W. 125*
Skinner, E. N. 4 *s* 542 W. 113
Skinner, O. M. gr *t*
*Skinner, M. D. 3 b* *329 Adelphi, Bklyn*
*Skinner, N. T. 1 b* *Dobbs Ferry, N. Y.*
Slack, J. D. 2 *m* 143 W. 63
Slade, H. S. 4 *c* Yonkers, N. Y.
Sladkus, S. E. 2 *l* 1893 7th ave.

Slamovitz, J. 2 *m* 214 E. 106
Sloan, A. 4 *m* 366 W. 57
Sloan, J. A., Jr. 1 *s* 318 W. 19
Sloane, J. R. 2 *l* 109 E. 69
*Sloane, M. W. sp b* *247 Broad, Newark*
Slosson, S. 1 *c* 417 W. 117
Small, H. F. *ph* 54 W. 85
Smallwood, J. C. 2 *s* 713 Madison ave.
*Smidt, G. L. sp b* *128 E. 34*
Smillie, S. 2 *s* 650 Madison ave.
Smirnow, L. sp *c* 311 W. 121
Smith, A. D. 4 *m* 53 Jefferson ave., Bklyn
Smith, A. G. *ph* 95 Grand, Bklyn
*Smith, A. V. O.* Mrs. *sp b* *University Dormitory*
*Smith, A. V. W. 1 b* *183 W. 135*
Smith, A. W. *pl* 301 W. 118
Smith, B. V. 1 *c* 310 W. 115
Smith, C. H. 1 *s* 122 E. 25
Smith, C. L. R. 3 *s* 51 W. 86
Smith, D. H. 4 *m* 18 E. 46
Smith, E. C. 1 *l* 519 W. 123
Smith, E. J. 2 *m.* 318 W. 57
Smith, E. O., Jr. 2 *s* 535 W. 159
Smith, E. L. *ph* 495 Manhattan ave.
Smith, F. R. 1 *m* 102 Palisade ave., Jersey City
Smith, G. M. 1 *m* 253 W. 75
Smith, H. A. 1 *l* 8 W. 47
Smith, H. K. 4 *c* 430 W. 118
Smith, J. B., Jr. 1 *l* 299 Alexander ave.
Smith, J. H. 1 *l* Port Chester, N. Y.
Smith, J. J. 1 *m* 141 W. 61
Smith, L. B. 1 *c* 97 South, Mt. Vernon, N. Y.
Smith, L. J. 3 *m* 318 W. 57
*Smith, M. 4 t* *Whittier Hall*
Smith, M. E. 2 *m* 227 Park pl., Bklyn
Smith, M. K. 1 *m* Hotel Grenoble
Smith, P. *pl* 419 W. 118
Smith, P. M. 1 *c* 67 Quincy, Bklyn
Smith, R. S. 1 *l* 526 W. 123
Smith, R. W. 3 *s* 361 W. 22
Smith, S. B. 1 *m* 141 W. 61
Smith, W. J. 3 *l* 363 W. 123
Smith, W. L. 2 *s* 254 W. 98
Smith, W. S. 1 *m* 265 W. 64
Smith, W. T. 2 *s* 542 W. 113
Smith, W. W. gr *t* 30 W. 128
Smyth, D. W. 4 *s* 405 E. 61
Snow, L. F. gr *t* 81 N. Broad, Elizabeth, N. J.
Snyder, F. X. 2 *l* 22 Prospect pk., West, Bklyn
Snyder, H. 2 *m* 53 Boyd, Newark
Soden, G. A. 1 *m* 441 Summer ave., Newark
Solley, F. D. 1 *m* 1332 Lexington ave.
Soloman, I. R. 4 *s* 1235 3d ave.
*Solomon, C. L. 1 b* *58 W. 105*
Solomon, E. L. *ph* 736 Lexington ave.
Solomon, L. A. 2 *l* 14 W. 120
Sommers, M. I. 1 *c* 17 E. 73
Southard, R. H. 3 *l* 203 W. 117
Southworth, R. L. 3 *t* 216 Lenox ave.
Spanier, L. 3 *m* 290 Stanton
*Sparkman, L. H. 1 b* *448 Ellison, Paterson, N. J.*
Spaulding, E. C. sp *p* 242 Lenox ave.
*Spaulding, L. C. ph* *120 and Amsterdam ave.*
*Spears, E. A. 2 t* *327 W. 35*
Speck, F. G., Jr. 2 *c* Anderson, Hackensack, N. J.
Spector, I. 1 *m* 185 E. Bway
Spektorsky, M. 1 *m* 104 E. 92
Spence, H. T. 4 *c* 320 W. 75
Spence, L. G. 1 *c* 320 W. 75
*Spencer, C. 4 b* *Fiske Hall, Barnard*
Spencer, H. R. *pl* 507 W. 112
Spencer, J. W. 4 *c*
Spenser, E. M. 2 *l* 604 W. 114
Sperling, F. W. 3 *l* 143 W. 78
Spicer, C. C. 4 *c* 354 W. 120
Spiegelberg, S. L. 4 *c* 156 W. 44
Spiegelberg, W. S. 3 *c* 26 W. 83
Spingarn, S. 1 *c* 118 E. 58
Spiro, W. J. 3 *s* 58 W. 97
Spitalsky, N. L. 1 *l* 183 Clinton
Spitzka, E. A. 4 *m* 66 E. 73
*Spooner, M. S. 1 b* *35 W. 61*
Sprague, C. H. 2 *m* 33 W. 65
Sprague, F. K. 1 *c* 47 W. 32
Sprigg, C. C. 1 *l* 417 W. 114
Springmeyer, C. E. gr *t* 241 E. 123
*Spurr, M. C. 2 t* *Whittier Hall*
Squires, F. 2 *s* 600 W. 114
Squires, L. 1 *l* 600 W. 114
*Staber, O. P. 4 t* *360 Clinton, Bklyn*
Stackpole, E. B. *pl* 43 Maple, Bloomfield, N. J.

*Stadler, B. F. 1 t* 4 W. 117
Stainton, G. F. 1 *l* 125 E. 111
*Stangland, J. C. 4 t* 157 W. 123
Stangland, R. S. 2 *s* 157 W. 123
Starr, C. C. sp *s* 308 W. 115
Starr, F. *ph* 523 Grand
Starr, I. P. 1 *m* 17 Essex
Stauffen, E., Jr. 2 *c* 328 W. 83
Stauffen, R. M. sp *s* 328 W. 83
Stebbins, R. 2 *s* 33 W. 9
Steegmuller, C. A. A. 1 *s* 174 W. 107
*Steele, M. L. 2 t* 106 W. 92
Steeves, H. R. 2 *c* 62 W. 130
Stein, C. R. 2 *s* 343 E. 47
Stein, H. L. 2 *c* 292 Manhattan ave.
Stein, M. W. sp *m* 98 Essex
Steinbock, H. A. 2 *l* 427 E. 50
Steindler, H. 2 *s* 308 W. 121
*Steinhardt, E. sp b* Majestic Hotel
*Stepanek, B. ph* 304 Whittier Hall
*Stephens, J. W. ph* 80 W. 105
Stephens, W. V. V. 1 *c* 146 and Gerard ave.
Stephenson, A. G. 2 *c* 147 W. 120
Stern, A. 3 *m* 1829 Crotona ave.
*Stern, I. R. 3 b* 993 5th ave.
*Stern, R. M. 2 b* 29 W. 87
Stern, W. T. 2 *l* 40 Wall
Stetson, D. D. 3 *m* 349 W. 58
Stevens, C. T. 2 *m* 169 Centre ave., New Rochelle, N. Y.
Stevens, F. G. H. *pl* Madison, N. J.
Stevens, H. H. 1 *m* 188 Buena Vista ave., Yonkers, N. Y.
*Stevens, H. L. 2 t* 282 Manhattan ave.
Stevens, O. E. 1 *s* 62 W. 58
Stevens, S. 3 *s* 544 W. 113
*Stewart, C. 4 t* Longfellow Hall
Stewart, H. R. 4 *s* 320 W. 115
Stewart, V. C. 2 *m* 272 W. 89
Stickney, H. A. 2 *l* 45 E. 20
Stillman, C. K. 2 *m* 350 W. 55
*Stillman, R. E. 1 t* Rahway, N. J.
Stillwell, H. A. 3 *s* 187 Marlborough rd., Flatbush, N. Y.
*Stimson, J. C. p* 159 W. 86
*Stobo, J. R. 2 b* Hotel St. Andrew
Stoddart, C. W. *p* 526 So. Bway, Yonkers, N. Y.
Stœckius, A. *ph* 78 E. 118
Stoffel, P. X. 3 *s* 167 Madison ave.
Stoll, H. F. 4 *m* 165 W. 77
Stone, C. C. 1 *m* 438 W. 57
*Stone, D. pl* 2194 Washington ave.
*Stone, L. I. gr t* 72–4 W. 124
Stone, M. A., Jr. 3 *s* 244 Central park, W.
*Stone, M. H. 2 b* 1048 5th ave.
Stork, L., Jr. 3 *m* 703½ 3d ave. Bklyn.
*Storms, E. T. B. 3 t* 301 W. 112
Stoutenburgh, C. H. 2 *s* 59 W. 54
Stover, R. 3 *s* 519 W. 123
Stow, S. H. 2 *s* 614 W. 113
Stowell, E. E. 1 *l* 419 W. 118
Stowell, H. W. 1 *l* 1161 Amsterdam ave.
Strange, R. G. sp *m* 44 W. 20
Strasser, A. L. 3 *c* 128 E. 62
*Stratford, A. C. ph* 397 Flatbush ave., Bklyn
Stratford, A. C. sp *c* 419 W. 118
*Strauchen, M. A. 3 t* 139 Shelton ave., Jamaica, N. Y.
Straus, E. E. 1 *l* 14 Morningside ave.
Strauss, C. A. 3 *l* 107 E. 73
*Straus, Sara pl* 2745 Bway
Stray, A. T. 2 *c* 10 Tompkins ave., Ossining, N. Y.
Strebeigh, R. L. 4 *c* 76 E. 55
Strods, G. T. 3 *m* 20 Jane
*Strong, E. E. 4 t* 341 W. 56
Strong, S. M. 4 *m* 140 W. 97
Strouse, A. L. 3 *l* 316 W. 84
Struss, W. E. 1 *s* 729 St. Nicholas ave.
Struyk, J. S. sp *s* 138 Haledon ave., Paterson, N. J.
*Stryker, A. B. 2 t* 9 Lake, White Plains, N. Y.
*Sturcke, E. H. 1 b* Mamaroneck, N. Y.
Sturdevant. T. K. 2 *s* 417 W. 117
Sturgis, G. F. 3 *l* 158 Noble, Bklyn
Sturtevant, H. R. 4 *c* 417 W. 114
Suling, J. W. 2 *l* 43 King
Sullivan, J. C. 2 *l* 413 W. 117
Sullivan, J. J. 4 *m* 159 W. 63
Sullivan, M. D. 1 *m* 210 W. 69
*Summer, M. B. pl* The Emerson, 121 and Amsterdam Ave.
Sumner, J. T. 2 *m* 104 Lexington ave.
Sundheimer, M. 3 *l* 38 W. 76
Sussman, P. 2 *m* 286 E. 10
Sutphen, E. B. 4 *m* 999 Broad, Newark

Sutton, G. A. K. 3 *c* 147 W. 128
Sutton, W. S. *p* 353 W. 123
Suzzallo, A. H. gr *t* 430 W. 118
*Swan, B. L. 2 b* *502 W. 149*
Swart, C. T. 4 *s* 226 S. 2d ave., Mt. Vernon, N. Y.
Swartz, C. C. 2 *s* S. Norwalk, Conn.
Sweeney, J. C. 2 *c* 199 Sterling pl., Bklyn
Swenson, J. A. 2 *c* 1317 3d ave., Bklyn.
Swift, F. H. gr *t* 41 E. 69
Swift, M. B. 1 *m* 129 W. 61
*Swingle, C. E. 4 t* *212 W. 108*
Swope, H. B. 1 *c* 410 W. 115
Swortfiguer, H. B. 2 *c* "The Livingston," 86 and Central park, W.
Sykes, E. H. 3 *l* "Asabore," 210 W. 119
Sylvia, C. A. 4 *m* 34 W. 61
Symes, J. F. 2 *l* 353 W. 119

Taber, E. J. L. 1 *l* 414 W. 118
Taft, T. K. sp *c* Cornwall-on-Hudson
Takata, M. *pl* 202 W. 122
*Talbot, A. A. 1 b* *Mamaroneck, N. Y.*
Tallmadge, W. H., Jr. 2 *m* Stamford, Conn.
Talmage, J. B., Jr. 2 *m* 294 Willis ave.
Tamura, S. T. *p* 523 W. 123
Tanaka, H. *pl* 156 W. 133
Tanenbaum, S. A. 2 *s* 110 W. 76
*Tanzer, H. H. sp b* *294 W. 92*
Tarditi, A. 3 *m* 387 Broome
Taschman, M. 2 *m* 30 Norfolk
*Tatlock, J. M. ph* *138 E. 40*
*Tattershall, A. S. 1 b* *Fiske Hall, Barnard*
Tatum, E. H. 2 *l* 300 W. 106
Tavenner, E. *ph* 169 W. 91
Taves, A. W. 3 *m* 76 W. 103
Taylor, C. D. 1 *m* Fort Wood, Bedloe's Island
Taylor, H. C. 3 *l* 252 W. 136
Taylor, J. sp. *s* 542 W. 113
Taylor, J. A. 1 *c* 3285 Bway
Taylor, J. W. 3 *c* 3285 Bway
Taylor, N. S. M. 2 *s* 614 W. 113
*Tener, E. 4 t* *37 Morningside ave.*
Tenney, A. A. *pl* 504 Manhattan ave.
Terhune, B. R. gr *t* Ridgewood, N. J.
Terry, R., Jr. 2 *l* 169 Madison ave.
Terry, R. R. 3 *s* 204 W. 78
Tetley, T. R., Jr. 2 *s* 304 Bleecker
Teven, S. L. 3 *l* 238 7
Thayer, H. W. *ph* 314 W. 113
Thoman, W. F. 3 *c* 312 W. 87
Thomas, C. L. 2 *l* 134 W. 117
Thomas, D. Y. *pl* 412 W. 115
*Thomas, E. B. 1 t* *1251 Franklin ave.*
Thomas, H. L. R. 1 *c* 1161 Amsterdam ave.
Thomas, J. B. sp *pl* 100 and Riverside
Thomas, J. S. 2 *m* 129 W. 61
Thomas, M. D. 2 *m* 366 W. 57
*Thomas, M. E. 2 b* *157 Glenwood ave., Yonkers, N. Y.*
Thomas, W. S. *ph* 408 W. 115
*Thompson, B. I. 3 b* *21 1st pl., Bklyn*
Thompson, F W. *pl* 41 E. 69
Thompson, G. H., Jr. 1 *m* 171 W. 95
Thompson, H. *pl* 519 W. 123
Thompson, J. 4 *t* 411 Manhattan ave.
Thompson, J. F. 3 *s* 21 1st pl., Bklyn
Thompson, R. W. *pl* 417 W. 118
*Thompson, V. 3 t* *500 W. 123*
Thornley, J. 3 *l* Hotel San Remo
*Thorp, A. F. M. 1 b* *732 E. 26, Paterson, N. J.*
Thurber, A. E. 2 *c* Rutherford, N. J.
Thurston, E. D., Jr. 1 *c* 113 E. 29
Thurston, L. S. 4 *s* 519 W. 123
Tibbals, A. sp *s* 353 W. 119
*Tibbits, M. J. 3 t* *533 Manhattan ave.*
Tice, W. A. 2 *c* 2053 7th ave.
Tiffany, G. P. sp *s* 243 Warburton ave., Yonkers, N. Y.
Tiffany, W. J. 1 *m* 318 W. 56
Tilden, E. L. 3 *l* 227 W. 122
Tildsley, J. L. *pl* 520 W. 123
*Tilford, A. B. 3 t* *238 W. 101*
Tilt, W. A. 1 *c* 5 E. 67
Tilton, A. R. 3 *m* 298 W. 137
Timmermeister, K. 1 *l* 507 W. 112
Tinker, E. L. 3 *c* 48 E. 57
Tintner, B. A. 2 *c* 18 W. 118
Titsworth, S. R. 1 *m* Plainfield, N. J.
*Titsworth, S. S. pl* *414 W. 118*
Titus, H. W. 4 *m* 25 W. 60

Toepp, L. A. 1 *t* Richmond, N. Y.
Tolchinsky, J. 1 *c* 483 Sutter ave., Bklyn
Tolman, G. *p* 779 Steinway ave., L. I. City
Tombo, C. 4 *s* 587 Walton ave.
*Tomlinson, C. 4 t* *414 W. 118*
Tomlinson, J. C., Jr. 1 *l* 45 W. 57
Tompkins, G. B. 1 *c* 104 Park ave., Paterson, N. J.
Tonnelé, J. L., Jr. 1 *c* 48 E. 68
Torrey, J. C. *p* 242 Lenox ave.
*Toscano, L. J. C. 3 b* *654 Academy, Astoria, N. Y.*
*Totten, E. L. 4 b* *15 W. 73*
Toussaint, C. A. 3 *c*
Townsend, H. C., Jr. 1 *c* 354 W. 123
Townsend, M. T. 3 *l* 130 W. 121
Townsend, S. D. 1 *c* 244 William, E. Orange, N. J.
Townshend, R. 1 *m* 181 W. 75
Tows, F. H. 3 *l* 34 W. 52
Toy, C. R., 2 *c* 65 W. 70
Tracy, W. E. 2 *s* 544 W. 113
Trader, F. L., Jr. 1 *m* 50 Jaques, Elizabeth, N. J.
Trainor, J. H. 3 *m* New Brunswick, N. J.
Travis, T. *pl* 700 Park ave.
Treat, H. P. 1 *c* 201 W. 100
Treat, P. J. gr *t* 942 St. Nicholas ave.
*Trendley, H. M. 3 t* *416 W. 118*
*Trier, B. 1 b 703 Madison, Bklyn*
*Trimble, L. M. 4 b* *253 W. 112*
Trippe, W. H. 1 *s* 397 Central ave., E. Orange, N. J.
Trompen, N. J. 1 *s* Ramseys, N. J.
Trotter, J. P. 2 *c*
Trowbridge, E. K. *p* 115 E. 37
Truax, S. 3 *s* 536 W. 114
*Trube, J. M. 2 t* *Hastings-on-Hudson, N. Y.*
Tryon, H. H. *pl* 41 E. 69
*Tucker, A. B. gr t* *Fiske Hall, Barnard*
Tucker, G. W., Jr. 1 *c* 419 W. 118
*Tucker, L. E. gr t* *438 Putnam ave., Bklyn*
Tucker, S. M. *ph* 100 W. 80
Tulipan, L. 1 *m* 176 Rivington
Tunick, I. S. 3 *m* 185 Allen
Turnbull, B. 1 *s* 430 W. 118
Turnbull, W. F. 3 *c* 27 Park pl. Orange, N. J.
Turner, G. C. 1 *l* 348 Quincy, Bklyn
*Turner, H. M. 4 t* *528 W. 123*
*Turner, J. K. 3 t* *Whittier Hall*
Turner, W. A. 2 *l* 523 W. 123
Tury, W. R. 1 *m* Patchogue, N. Y.
Tuttle, C. H. 3 *l* 25 W. 83
*Tuttle, M. L. 4 t* *419 W. 118*
Tweedy, J. B. 2 *l* Spuyten Duyvil, N. Y.
Twichell, D. C. 3 *m* 65 Central park, W.
Tyler, E. F. 1 *s* 828 St. Nicholas ave.
Tyler, W. R. 2 *s* 36 W. 93

Ullman, J. 3 *l* 1186 Madison ave.
Unger, H. H. 1 *m* 98 Columbia
Updike, D. M. 3 *s* 156 W. 74
Updike, E. H. 2 *c* 156 W. 74
Upton, E. C. *ph* 314 W. 113

Vail, R. W. 1 *m* 201 W. 117
Valentine, J. J. 1 *m* 2030 Bway
Valieant, J. F. 3 *l* 93 W. 103
Van Aken, E. W. *pl* 700 Park ave.
Van Alstyne, W. B. 4 *m* 116 W. 64
Vanamee, T. O. 2 *m* Newburgh, N. Y.
Van Auken, H. C., Jr. 1 *m* 100 W. 85
Van Buren, F. T., Jr. 4 *m* 21 W. 14
*Van Buren, I. 1 b* *Fiske Hall, Barnard*
Van Buren, J. D., Jr. 1 *c* Newburgh, N. Y.
*Van Cise, L. K .3 b* *Fiske Hall, Barnard*
Van Cise, W. M. 3 *s* 507 Manhattan ave.
*Van Cott, E. E. 4 b* *352 W. 117*
Vandenberg, J. 2 *m* 46 Ave. D
Vanderveer, A., Jr. 2 *m* 317 W. 58
*Van Deursen, H. T. 2 b* *Tarrytown, N. Y.*
VanDyke, B. S. 3 *m* 127 W. 67
Van Hovenberg, H., Jr. 3 *l* 358 W. 123
van Huffmann, O. 3 *m* 165 W. 77
*Van Ingen, E. G. 1 b* *135 Henry, Bklyn*
*Van Ingen, H. sp b* *135 Henry, Bklyn*
Van Ness, S. W. 2 *c* 121 Mt. Pleasant ave, Newark
*Van Nest, M. V. sp b.* *Glen Ridge, N. J.*

Van Nostrand, N. W. 1 *c* 142 W. 82
*Van Slyke, A. M. 2 b* *Fiske Hall, Barnard*
Van Wagenen, E. 2 *s* 36 E. 53
Van Wart, F. B. 4 *m* 340 Putnam ave., Bklyn
Varona, E. A. 1 *s* 234 W. 135
Vary, H. J. 3 *m* 441 W. 57
Vaughan, J. C. 1 *m* 295 Varona ave., Newark
Vaughan, H. S. 2 *m* 127 W. 48
*Venable, M. G. 3 t* *Longfellow Hall*
Verplank, J. B. R. 2 *c* 1161 Amsterdam ave.
Ver Planck, W. E. 4 *s* 267 W. 79
Vetsburg, K. M. 2 *l* 533 W. 149
Veve, J. 2 *m* 209 W. 58
Victor, R. C. 2 *l* 309 W. 103
Viertel, S. gr *t* 7 W. 118
Vigouroux, G. G. 1 *s* 50 W. 84
Villoldo, P. 1 *m* 146 W. 65
*Vincent, G. 4 t* *414 W. 118*
*Vinson, B. 3 t* *645 W. 148*
Vogel, E. 1 *l* 349 Central park, W.
Vogel, E. C. 2 *c* 56 E. 80
*Vogelsang, K. sp t* *402 W. 124*
Volk, M. 1 *m* 37 Rutgers
vom Saal, F. M. 1 *s* "The Maples," Tarrytown
Von Bernuth, R. L. 2 *c* 130 W. 64
Von Sholly, B. R. 3 *c* Flushing, N. Y
*Voorhees, F. A. pl* *Woody Crest ave., Highbridge*
Voorhees, I. W. 1 *m* 301 W. 55
Voris, F. T. *p* 529 W. 123
Vosburgh, C. H. *p* Jamaica, N. Y.
Vreeland, L. B. 1 *c* 593 E. 25, Paterson, N. J.

Wade, J. E. gr *t* 372 Manhattan ave.
Wadhams, T. R. sp. *c* 410 W. 115
*Wagner, E. ph* *31 Rivington*
Wagner, W. A. 1 *l* 410 W. 115
Wagstaff, A., Jr. 1 *s* 21 W. 21
Wainwright, J. M. B. 2 *m* 243 4th, Jersey City
*Wainwright, M. U. 1 b* *202 W. 74*
Wakefield, R. pl. Madison, N. J.
Waldman, M. *ph* 1194 Park ave.
Waldorf, L. *pl* 127 E. 112
Waldron, J. L. 1 *c* 301 Tompkins ave., Bklyn
Walker, A. S. B. 1 *l* Guttenberg, N. J.
Walker, M. *pl* 875 E. 165
*Wallace, M. L. 4 t* *Whittier Hall*
Wallace, W. M. 4 *s* 60 E. 92
*Wallach, A. F. ph* *12 E. 62*
*Wallach, A. N. 3 b* *403 Manhattan ave.*
Wallach, K. R. 1 *c* 53 E. 80
Wallin, C. T. 1 *m* 460 W. 145
Wallin, W. J. 1 *l* 157 Elm, Yonkers, N. Y.
Walls, F. J. 1 *s* 121 W. 123
Wallstein, L. M. 3 *c* 2032 5th ave.
Walmsley, H. B. 2 *l* 414 W. 118
Walser, C. W. 2 *m* New Brighton, N. Y.
Walsh, J. J., Jr. 1 *l* 6 E. 93
Walter, J. C. 2 *s* 306 W. 113
*Walter, R. sp b* *28 E. 60*
*Walters, E. R. 3 b* *532 W. 159*
Waltz, J. 2 *c* 259 W. 112
Walz, A. 1 *s* 259 W. 112
Ward, A. H. 2 *m* 162 Preakness ave., Paterson, N. J.
Ward, E. St. J. 2 *m* 288 Lexington ave.
*Ward, F. sp t* *Dormitory Bldg.*
Ward, F. E. 1 *s* 400 W. 124
Ward, G. O. 4 *c* 420 W. 144
Ward, R. F. 2 *m* 640 Madison ave.
Ward, S. L'H., Jr. 3 *l* 140 W. 94
Ward, T. H. 3 *l* 57 E. 19
Ward, W. 2 *m* 41 Park pl., Bloomfield, N. J.
*Ware, A. G. 3 b* *1285 Madison ave.*
*Waring, A. T. 2 b* *301 W. 106*
*Warner, E. H. 2 t* *56 W. 33*
*Warner, G. 3 t* *500 W. 123*
Warren, A. D. 2 *c* 48 W. 9
Warren, E. P. 4 *m* 318 W. 57
Warren, F. B. 4 *s* 357 W. 20
Warren, G. E. 2 *c* 48 W. 9
Warren, W. A. 3 *s* 109 W. 72
Warren, W. T. 4 *s* Bronxville, N. Y.
Warrin, R. H. sp *s* 416 W. 118
Washington, C. M. *ph* 21 W. 58
Waterman, F. E. 1 *s* 829 West End ave.
Waterhouse, H. E. 4 *m* 347 W. 55
Waterman, W. W. 2 *m* "The Katahdin," W. 113 and Bway
Waters, R. L. 4 *s* 453 W. 143
Waters, S. 4 *c* 453 W. 143
Watson, C. E. 3 *s* 225 W. 106

*Watson, E. A. 1 b 3d, near Essex, Hackensack, N. J.*
Watson, F. W. 2 *s* 500 W. 123
*Watson, L. G. gr t 111 Urban, Mt. Vernon, N. Y.*
Watterson, H. 3 *l* 308 W. 113
*Waugh, A. M. 3 b Fiske Hall, Barnard*
*Way, C. M. 4 t 145 W. 117*
Webb, F. R. 4 *m* 264 W. 69
Webb, H. W. 1 *c* Glen Ridge, N.J.
Webster, C. E., Jr. 4 *m* 25 W. 60
*Wedemeyer, M. H. D. 4 b 328 W. 113*
Weekes, A. D., Jr. 4 *c* 64 W. 48
Weekes, H. H. sp *c* 64 W. 48
*Weeks, C. 3 t Whittier Hall*
Weeks, L. S. 3 *s* 317 Lexington ave.
Weidmann, A. 3 *l* 413 W. 117
Weidmann, O.W. 2 *c* 73 S. 9, Bklyn
Weidner, D. T. *ph* Chelsea sq.
*Weil, H. M. sp b 36 E. 74*
Weinrich, M. F. 2 *s* 76 Ashburton ave., Yonkers, N. Y.
Weinstein, M. J. 3 *l* 544 W. 142
Weinstock, L. 2 *m* 643 Lexington ave.
Weir, W. N. *pl* 41 E. 69
Weissman, C. 2 *c* 2 E. 80
Weissman, M. 3 *m* 328 Stanton
Welch, A. J. 2 *l* "The Iroquois," W. 44 & 6 ave.
Welch, H. A. 1 *c* 370 St. Nicholas ave.
Welch, W. F. 2 *l* 312 W. 115
Welcke, C. J. 4 *s* 237 W. 112
*Welle, E. 1 b 345 Straight, Paterson, N. J.*
*Wells, F. E. 1 t University Dormitory*
Wells, F. L. 3 *c* 567 W. 113
Wells, W. H. 4 *m* 65 Central park, W.
*Wentworth, A. E. 3 t Whittier Hall*
Werner, G. B. 3 *c* 209 W. 97
Werner, L. A. 1 *s* 4 W. 92
Wertheim, L. 1 *m* 44 Liberty ave., Bklyn
Wertheimer, L. W. 3 *l* 519 W. 123
*Werts, H. E. 2 b Fiske Hall, Barnard*
West, H. J. 4 *c* 330 W. 85
*West, M. C. 3 t 416 W. 118*
Westbrook, F. A. 1 *s* 97 St. Felix, Bklyn
Westcott, W. B. 4 *m* 308 W. 58
Westervelt, L. sp *c*
*Westfall, M. J. 2 t 17 Darling ave., Mt. Vernon, N. Y.*
Weston, C. P. *p* 314 W. 113
Wetherborn, M. 1 *l* 16 W. 117
*Weitlin, E. L. 4 t 18 Rowland, Newark*
Wharton, P. C. 2 *s* 16 W. 36
Wharton, W. P. 4 *c* 242 W. 123
Wheat, B. P. 1 *l* 521 W. 123
*Wheaton, I. R. 4 t 520 W. 153*
*Wheeler, A. 3 t Longfellow Hall*
Wheeler, A. R. 1 *l* 235 Harrison, Bklyn
Wheeler, A. W. 4 *m* 318 W. 57
Wheeler, B. L. 2 *s* 205 W. 106
Wheeler, B. N. 1 *s* 215 W. 34
Wheeler, E. E. 2 *l* 874 West End ave.
Wheeler, H. D. sp *c* 522 W. 123 c/o Mrs. L. Benedict
*Wheeler, H. L. 1 b 411 W. 145*
Wheeler, J. A. 2 *m* 333 W. 58
Wheeler, S. K. sp *s* 29 W. 45
Whitbeck, B. H. 3 *m* 317 W. 58
*White, A. E. ph 18 W. 69*
*White, C. 3 t University Dormitory*
White, C. B. *pl* 41 E. 69
White, D. 1 *m* 318 W. 57
White, D. C. *pl* Chelsea sq.
*White, E. sp b Summit, N. J.*
White, F. G. sp *s* 358 W. 118
White, F. J. 4 *s* 53 St. John's pl., Bklyn
White, G. D. 4 *m* 437 Fairmount ave., Jersey City
White, R. J. 1 *c* 29 W. 95
White, R. P. 1 *m* 435 Fairmount ave., Jersey City
*Whitehead, J. H. sp b 29 E. 74*
Whiteman, T. M. 3 *l* 367 Manhattan ave.
Whiteside, G. W. sp *s* 251 W. 133
Whitin, F. H. sp *pl* 501 W. 113
Whitin, E. S. 2 *c* 501 W. 113
Whitney, W. B. 2 *s* 239 W. 105
Whiton, W. H. 2 *m* 2009 Newkirk ave., Bklyn
Whittaker, N. McL. 3 *m* 158 Macon, Bklyn
Whittemore, E. R. 4 *m* 153 W. 81
*Whittey, M. T. sp t*
Whittier, W. E. 2 *s* 314 W. 113
Whitwell, C. B. 1 *s* 30 W. 11
Whyte, W. de B. 4 *s* 56 E. 49
Wichman, F. M. 2 *s* 354 W. 120
*Wick, J. M. 2 b Elmhurst, L. I.*
Wickes, L. W. 3 *s* 99 Convent ave.

Wickham, J. N. 3 *m* Corona, N. Y.
Wickham, R. D. 3 *l* 16 W. 61
Widmer, H. R. 3 *m* Port Richmond, N. Y.
Wiechman, F. G. 771 West End ave.
Wiel, A. B. 4 *s* 507 W. 112
Wiener, S. 2 *m* 1001 Madison ave.
Wiggin, R. H. 1 *s* 23 Snyder, Orange, N. J.
*Wight, M. V. D. 3 t* *525 Park ave.*
*Wilbur, H. R. 3 t* *Longfellow Hall*
*Wilcox, E. D. 3 b* *1090 N. Bway, Yonkers, N. Y.*
Wilcox, H. B. 4 *m* 30 W. 44
*Wilcox, H. L. 1 b* *1090 N. Bway, Yonkers, N. Y.*
Wilcox, S. H. 1 *s* 41 W. 52
Wile, U. J., 2 *c* 304 W. 89
*Wilhelm, C. E. pl* *95 Rivington, College Settlement*
*Wilkinson, L. 3 t* *Whittier Hall*
Will, P. 3 *s* 419 W. 118
Willard, N. W. *ph* 227 W. 122
Willcox, J. E. 2 *c* 144 W. 123
Willets, R. H. 1 *s* Roslyn, L. I.
Willhöfft, F. O. 2 *s* 563 W. 183
*Williams, B. P. 4 t*
Williams, D. J. *pl* 41 E. 69
Williams, F. D. 3 *m* 358 W. 55
Williams, G. A. 1 *m* Summit, N. J.
Williams, I. D. 3 *m* 318 W. 57
Williams, J. *ph* 551 5th ave.
Williams, J. J., Jr. 1 *m* 1980 Madison ave.
Williams, J. M. *pl* 158 W. 84
Williams, J. N. 3 *m* 324 W. 47
Williams, L. O. 2 *l* Edgewater, N. J.
Williams, R. T. 1 *s* 244 Purdy, L. I. City
Williams, R. Y. 2 *s* 31 W. 92
Williamson, A. 4 *s* 110 W. 91
Williamson, G. N., Jr. 3 *s* 14 Dey
Williamson, P. W. 2 *l* 604 W. 114
Willis, A. L. 1 *c* 313 W. 76
Willis, H. T. 3 *s* 1161 Amsterdam ave.
Willis, R. H. 1 *s* 220 E. 48
Willis, R. S. 4 *c* St. Anthony Hall, Riverside dr. and 119
Willson, F. F. 4 *s* 27 E. 46
Willson, P. 1 *m* 144 W. 65
Wilner, E. R. 4 *s* 133 W. 12
Wilson, A. E. sp *s* 210 E 20
Wilson, C. H. 4 *s* 65 S. 2d ave., Mt. Vernon, N.Y.
Wilson, F. H. 2 *m* 574 Madison, Bklyn
Wilson, J. H. *ph* 175 9th ave.
Wilson, J. R. 1 *m* 418 W. 57
*Wilson, J. S. ph* *135 W. 81*
*Wilson, M. R. 3 t* *Longfellow Hall*
Wilson, R. C. 1 *s* 135 4th ave., Newark
Wilson, R. C. 2 *c* 541 W. 124
Wilson, R. P. 3 *s* 19 W. 124
Wilson, S. K. 4 *c* 120 W. 76
Wilson, W. F. *ph* 41 E. 69
Winetraub, A. I. M. 1 *s* 28 Forsyth
Winslow, A. S. 4 *c* 68 W. 91
Winston, E. T. 1 *l* 505 W. 112
Winter, A., Jr. *pl* 100 Lexington ave.
*Winterburn, U. A. 4 b* *237 W. 75*
*Wiren, M. ph* *Fiske Hall, Barnard*
Wisansky, J. 1 *m* 236 E. Bway
Wise, F. 2 *m* 92 E. 111
Wise, L. D. 2 *m* 23 W. 65
Wissler, C. sp *ph* 548 W. 125
Withrow, W. E. 1 *l* 216 Lenox ave.
Wittemann, R. W. 4 *s* Ft. Hamilton ave. and 88, Bklyn
Wittig, G. F. 2 *s* 414 W. 118
Wolf, J. I. 1 *m* 33 Essex
Wolf, N. *ph* 736 Lexington ave.
Wolfe, W. H., Jr. 3 *l* 309 W. 103
Wolff, A. M. 3 *s* 31 W. 54
Wolff, E. 3 *c* 120 W. 88
*Wolff, G. ph* *130 E. 80*
Wolff, M. 3 *m* 69 E. 80
Wolff, S. L. *ph* 130 E. 80
Wolff, W. A. 1 *s* 56 W. 114
Wollheim, J. L. 4 *m* 317 E. 79
Wood, C., Jr. 1 *c* 21 E. 81
Wood, C. W. gr *t* 327 W. 35
Wood, D., Jr. 4 *s* Irvington-on-Hudson
Wood, L. N. 3 *l* 357 W. 116
Wood, W. 2 *s* 58 W. 51
Woodard, H. J. 1 *l* 495 Manhattan ave.
*Woodhull, M. ph* *Fiske Hall, Barnard*
Woodhull, M. C. *pl* Craigville, N. Y.
Woodley, O. I. gr *t* 500 W. 123
Woodruff, I. O., Jr. 2 *m* 152 W. 78

Woodruff, L. L. *p* 202 W. 103
Woodson, C. W. 2 *m* 202 W. 82
Woolley, J. S. 1 *m* 75 E. 79
Wooster, F. R. 4 *c* 411 W. 117
*Worden, A. J. 2 t* *299 Ellison, Paterson, N. J.*
Work, J. C. 1 *s* St. Anthony Hall, 116 and Riverside dr.
Work, N. P. 3 *t* 420 W. 124
Wormser, M. 3 *s* 836 5th ave.
Worthington, H. R. 1 *s* Irvington-on-Hudson
Wortman, A. 3 *c* 126 E. 79
Wright, A. S. 4 *c* 417 W. 114
Wright, H. W. 1 *m* 451 Morris ave., Elizabeth, N. J.
Wund, W. F. 3 *l* 327 E. 30
Wuppermann, R. 2 *c* 35 W. 124
Wurzburger, J. *ph* 150 W. 65
*Wyant, A. M. 3 t* *332 W. 85*
Wyatt, C. B. 3 *c* 28 E. 30
Wyckoff, C. J. 3 *c* 185 Penn, Bklyn
Wyckoff, C. R., Jr. 4 *s* 185 Penn, Bklyn
*Wyckoff, H. E. 4 t* *217 W. 121*
Wyld, R. H. 2 *s* 331 W. 83
Wylie, J. P. 1 *c* 160 W. 123
Wynkoop, J. 3 *s* 225 W. 106
Wynne, S. W. 2 *m* 148 E. 18

Yarrington, A. M. gr *t* 460 Manhattan ave.
Yates, W. H. 3 *s* 309 W. 128
Ynzua, E. C. 1 *m* 221 W. 14
Yohannan, I. gr *t* 321 W. 118
Yohannan, M. 4 *c* 321 W. 118
York, H. J. 2 *m* 507 Manhattan ave.
*Yost, N. E. 2 t* *237 W. 108*
Young, C. O. 1 *c* 67 W. 130
Young, D. K., Jr. *pl* 41 E. 69
Young, J. W. 3 *m* 127 W. 74
Young, S. *ph* 519 W. 123
Young, W. G. 1 *m* 92 McDonough, Bklyn
Younger, G. A. 1 *c* 34 Barker, W. New Brighton, N. Y.
Younker, I. M. 1 *c* 27 E. 93
Youtz, L. A. *p* 523 W. 123
*Yudelson, S., 4 t* *158 E. Bway*

Zaslaw, M. 3 *s* 306 Madison
Zeiger, G. V. 1 *c* 138 Park, Montclair, N. J.
Zeiler, A. H. 1 *m* 160 W. 19
Zeitlin, J. 1 *c* 2101 8th ave.
Zelenko, D. 2 *m* 17 Varet, Bklyn
Zeleny, C. *p* 463 Manhattan ave.
Zieger, C. E. *ph* 170 and Boscobel ave.
Zigler, M. 1 *m* 189 Chambers
Zinsser, H. W. 3 *m* 180 W. 59
Zlinkoff, J. 2 *m* 229 W. 83
Zucker, A. A. 4 *s* 308 W. 94

## SUMMARY

### OFFICERS

| | | | |
|---|---|---|---|
| Professors | 80 | | |
| Adjunct Professors | 27 | | |
| Clinical Professors and Lecturers | 19 | | |
| Instructors | 62 | | |
| Demonstrators | 3 | | |
| Assistant Demonstrators | 9 | | |
| Tutors | 44 | | |
| Assistants | 47 | | |
| Curators | 3 | | |
| Lecturers | 24 | | |
| Clinical Assistants | 82 | | |
| Officers of Instruction | | 400 | |
| Officers of Administration | | 17 | |
| Emeritus Officers | | 10 | |
| Total | | | 427 |
| Teachers College (*not included above*) | | | 72 |
| Grand Total of Officers | | | 499 |

Brought forward (Grand Total of Officers) ..... 499

STUDENTS

| | | | |
|---|---|---|---|
| COLUMBIA COLLEGE: | | | |
| Senior class | 94 | | |
| Junior " | 99 | | |
| Sophomore " | 103 | | |
| Freshman " | 140 | | |
| Special students | 51 | | |
| | | 487 | |
| The Faculty of LAW: | | | |
| Third-year class | 126 | | |
| Second-year " | 149 | | |
| First-year " | 162 | | |
| Special students | 2 | | |
| | | 439 | |
| The Faculty of MEDICINE: | | | |
| Fourth-year class | 149 | | |
| Third-year " | 180 | | |
| Second-year " | 199 | | |
| First-year " | 270 | | |
| Special students | 23 | | |
| | | 821 | |
| The Faculty of APPLIED SCIENCE: | | | |
| Graduate students | 6 | | |
| Fourth-year class | 92 | | |
| Third-year " | 131 | | |
| Second-year " | 156 | | |
| First-year " | 192 | | |
| Special students | 34 | | |
| | | 611 | |
| The Faculties of POLITICAL SCIENCE, PHILOSOPHY, and PURE SCIENCE | | 500 | |
| TOTAL | | | 2858 |
| BARNARD COLLEGE | | | 332 |
| TEACHERS COLLEGE | | | 558 |
| AUDITORS | | | 20 |
| TOTAL | | | 3768 |
| *Deduct double Registration* | | | *136* |
| GRAND TOTAL OF STUDENTS | | | 3632 |
| GRAND TOTAL OF OFFICERS AND STUDENTS | | | 4131 |

## ACADEMIC CALENDAR

1901—Oct. 7—Monday. First half-year, 148th year, begins.
Oct. 9—Wednesday. Fellows and scholars to report themselves as in residence to Registrar.
Oct. 26—Saturday. Last day for payment of first-term fees.
Nov. 5—Tuesday. Election Day, holiday.
Nov. 28—Thursday. Thanksgiving Day, holiday.
Nov. 29—Friday. Holiday.
Nov. 30—Saturday. Holiday.
Dec. 23—Monday.
to
1902—Jan. 4—Saturday, inclusive. Christmas holidays.
Jan. 6—Monday. Exercises of the University resumed.
Jan. 27—Monday. Mid-year examinations begin.
Feb. 1—Saturday. First half-year ends.
Feb. 3—Monday. Second half-year begins.
Feb. 11—Tuesday. Fellows and scholars to report themselves as in residence to Registrar.
Feb. 12—Ash Wednesday. Lincoln's Birthday, holiday.
Feb. 15—Saturday. Last day for payment of second-term fees.
Feb. 22—Saturday. Washington's Birthday, holiday.
Mar. 1—Saturday. Last day for filing applications for University Fellowships.
Mar. 28—Good Friday, holiday.
April 2—Wednesday. Last day for filing applications for examination for higher degrees.
May 1—Thursday. Last day for filing applications for University Scholarships, and for presentation of essays for degree of Master of Arts.
May 19—Monday. Final examinations begin.
May 30—Friday. Memorial Day, holiday.
June 8—Sunday. Baccalaureate Sermon.
June 9—Monday. Class Day.
June 11—Wednesday. Commencement Day.
July 5—Saturday. Registration for Summer Session.
July 7–Aug. 15—Third Summer Session.
Oct. 6— Monday. First half-year, 149th year, begins.

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